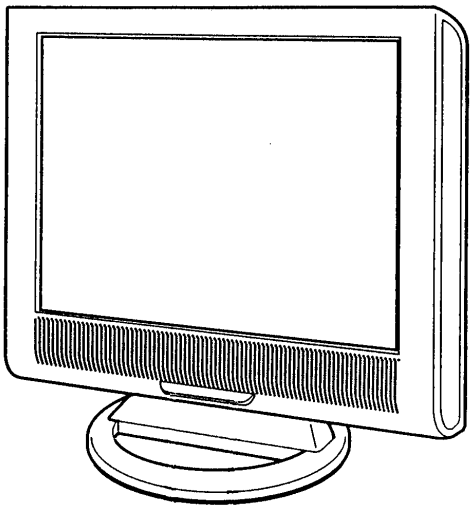
SHARP SERVICE MANUAL

S00J8LC-12A2E



LCD COLOR TELEVISION

MODEL LC-12A2E

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified be used.

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SHARP CORPORATION

IMPORTANT SERVICE SAFETY PRECAUTION

■ **Service work should be perfomed only by qualified service technicians who are thoroughly familiar with all safety checks and the servicing guidelines which follow:**

WARNING

1. For continued safety, no modification of any circuit should be attempted.
2. Disconnect AC power before servicing.

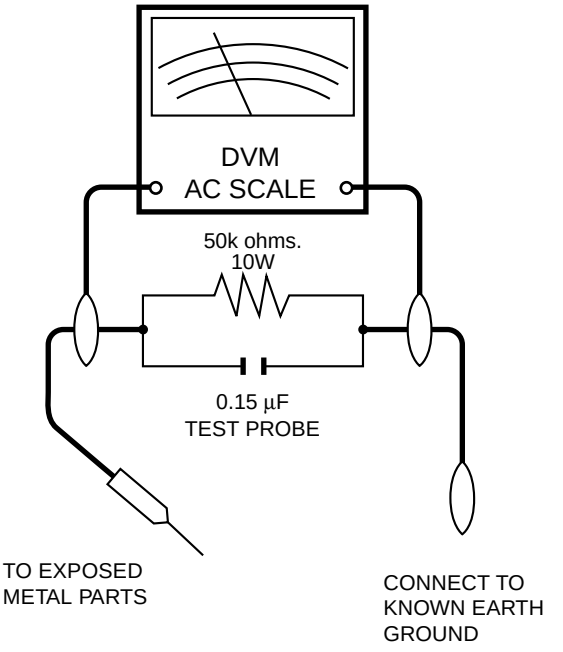
CAUTION
FOR CONTINUED PROTECTION
AGAINST A RISK OF FIRE REPLACE
ONLY WITH SAME TYPE FUSE.
F3701 (1.25A, 250V), F3702 (1.25A, 250V),
F3751 (2A, 250V) FUSE.

BEFORE RETURNING THE RECEIVER (Fire & Shock Hazard)

Before returning the receiver to the user, perform the following safety checks:

1. Inspect all lead dress to make certain that leads are not pinched, and check that hardware is not lodged between the chassis and other metal parts in the receiver.
2. Inspect all protective devices such as non-metallic control knobs, insulation materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacitor networks, mechanical insulators, etc.
3. To be sure that no shock hazard exists, check for leakage current in the following manner.

- Plug the AC cord directly into a 110~240 volt AC outlet, and connect the DC power cable into the receiver's DC jack. (Do not use an isolation transformer for this test).
- Using two clip leads, connect a 1.5k ohm, 10 watt resistor paralleled by a 0.15µF capacitor in series with all exposed metal cabinet parts and a known earth ground, such as electrical conduit or electrical ground connected to earth ground.
- Use an AC voltmeter having with 5000 ohm per volt, or higher, sensitivity or measure the AC voltage drop across the resisor.
- Connect the resistor connection to all exposed metal parts having a return to the chassis (antenna, metal cabinet, screw heads, knobs and control shafts, escutcheon and etc.) and measure the AC voltage drop across the resistor.
  All checks must be repeated with the AC cord plug connection reversed. (If necessary, a nonpolarized adaptor plug must be used only for the purpose of completing these checks.)
  Any reading of 0.75V peak (this corresponds to 0.5 milliamp. peak AC.) or more is excessive and indicates a potential shock hazard which must be corrected before returning the monitor to the owner.



SAFETY NOTICE

Many electrical and mechanical parts in LCD television have special safety-related characteristics.
These characteristics are often not evident from visual inspection, nor can protection afforded by them be necessarily increased by using replacement components rated for higher voltage, wattage and etc.
Replacement parts which have these special safety characteristics are identified in this manual; electrical components having such features are identified by " ⚠ " and shaded areas in the ***Replacement Parts Lists*** and ***Schematic Diagrams***.
For continued protection, replacement parts must be identical to those used in the original circuit.
The use of a substitute replacement parts which do not have the same safety characteristics as the factory recommended replacement parts shown in this service manual, may create shock, fire or other hazards.

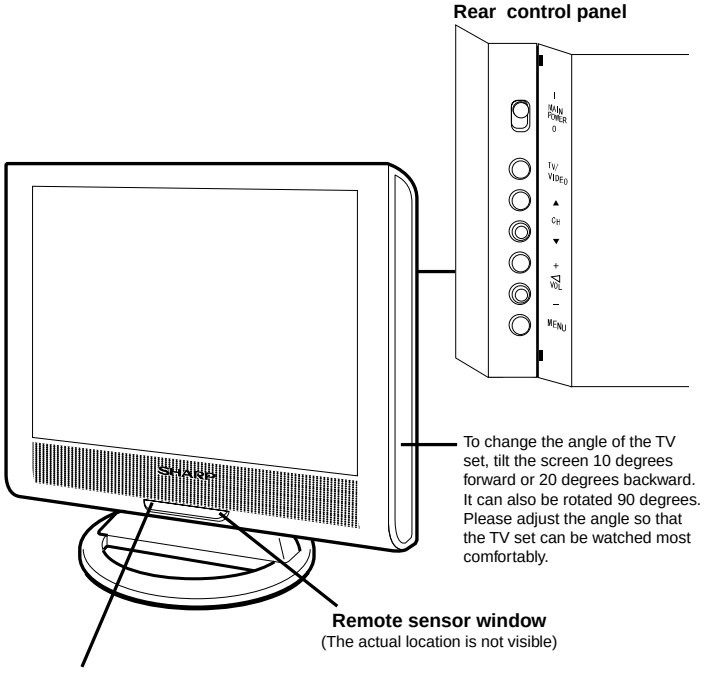
ELECTRICAL SPECIFICATIONS

Items	12" LCD COLOR TV, Model: LC-12A2E
LCD panel	12" TFT LCD
Number of pixels	921,600 dots
Video color system	PAL/NTSC/SECAM
TV FUNCTION	
TV Standard (CCIR)	BG/DK/I/L/L'
TV Tuning System	Auto preset 100 ch.
STEREO/BILINGUAL	NICAM, IGR
AUTO PRESET	Yes
CATV	~Hyper Band
Brightness	400 cd/m^2
Lamp life	60,000 hours
Viewing angles	H: 160° V: 160°
Audio amplifier	0.6 W × 2, 2.5 W × 1
Speakers	3 × 4 cm 2 pcs., 65 mm ϕ 1 pc.
Terminals	
AV1	AV-IN1, S-VIDEO-IN, COMPONENT
AV2	AV-IN2/AV OUT
ANTENNA	DIN
HEADPHONE	3.5 mm ϕ jack (Rear)
OSD language	English/German/Dutch/French/Italian/Spanish/Swedish
Power requirement	DC 12V, AC 110 - 240 V, 50/60 Hz
Weight	3.0 kg, incl. stand, excl. accessories
Accessories	R/C, Batteries, AC adapter, AC cord, Operation manual, Cable clamp

Specifications are subject to change without prior notice.

OPERATION MANUAL

Main unit (front view)

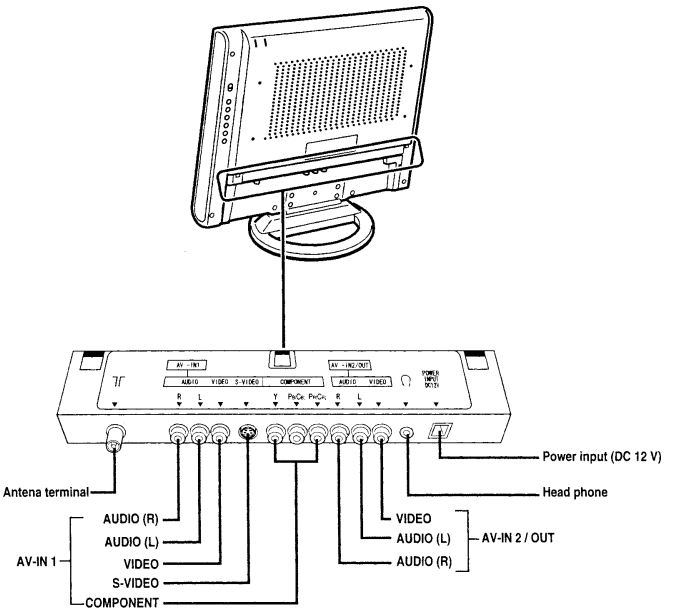


To change the angle of the TV set, tilt the screen 10 degrees forward or 20 degrees backward. It can also be rotated 90 degrees. Please adjust the angle so that the TV set can be watched most comfortably.

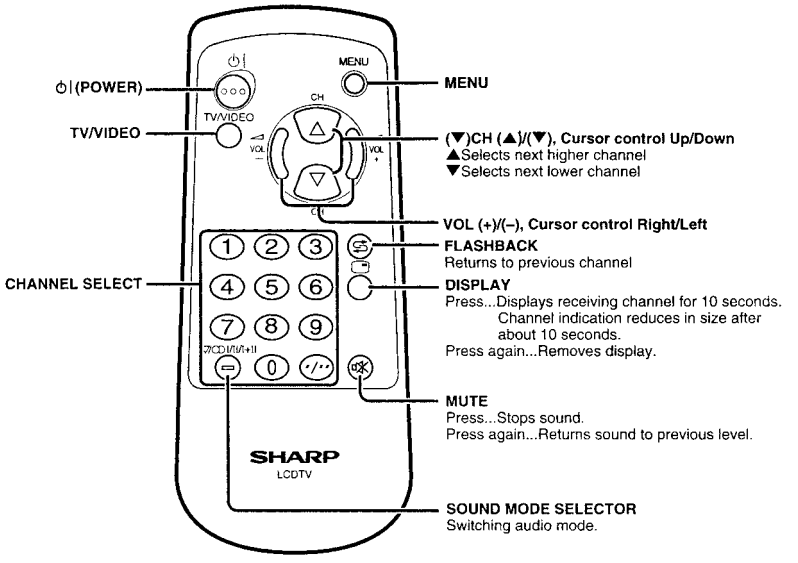
Remote sensor window
(The actual location is not visible)

Power/standby indicator
A green indicator lights when the power is on and a red indicator lights when in the standby mode (the indicator will not light when the main power is off).

Main unit (rear view)



Remote control



MENU

(▼)CH (▲)/(▼), Cursor control Up/Down
▲Selects next higher channel
▼Selects next lower channel

VOL (+)/(–), Cursor control Right/Left

FLASHBACK
Returns to previous channel

CHANNEL SELECT

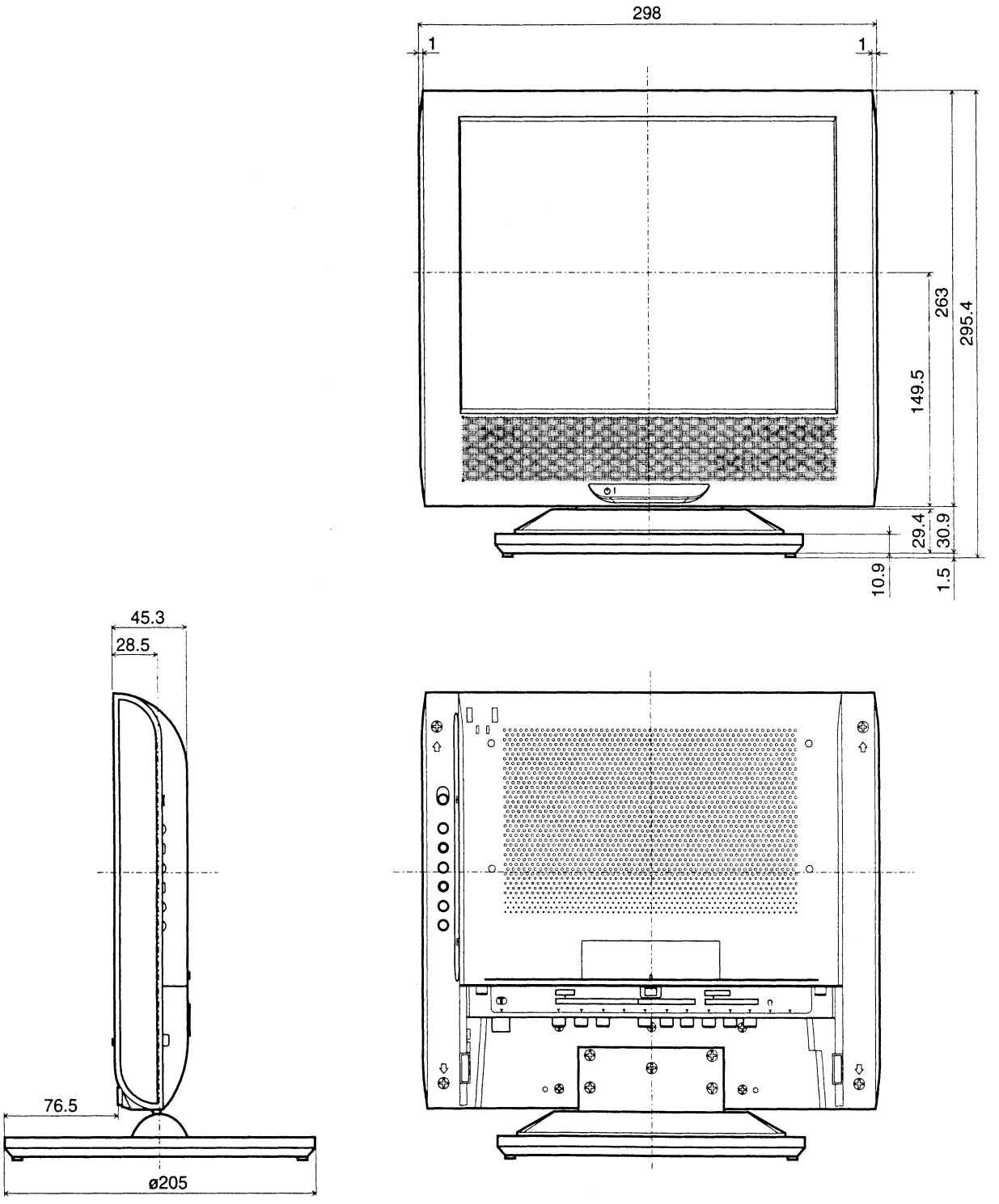
DISPLAY
Press...Displays receiving channel for 10 seconds.
Channel indication reduces in size after about 10 seconds.
Press again...Removes display.

MUTE
Press...Stops sound.
Press again...Returns sound to previous level.

SOUND MODE SELECTOR
Switching audio mode.

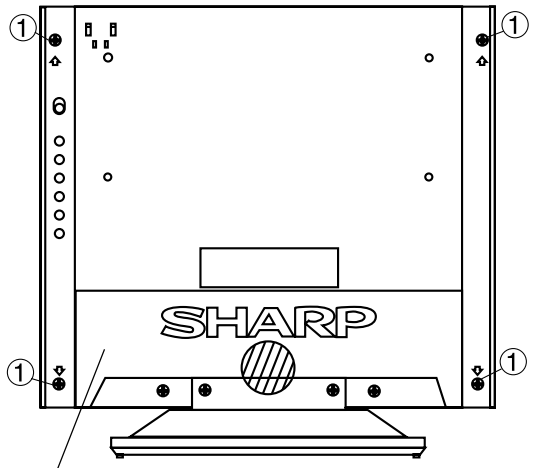
OUTLINE DIMENSION FIGURE

Unit: mm

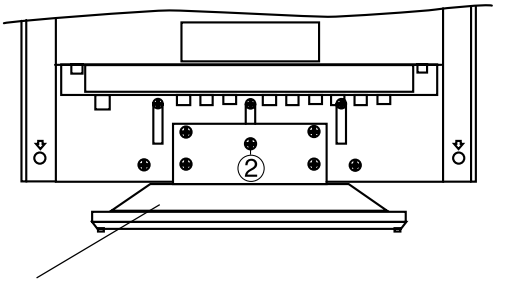


DISASSEMBLY OF THE SET

1. Insert your finger into the center of the terminal cover and pull it toward you to detach the terminal cover.
2. Remove the four screws ① and one screw ②.
3. Open the cabinet B by approx. 45˚ from the bottom of the cabinet (stand side).
4. Remove the lead wire from the cable clamp ③.
5. Remove the power connector ④.
6. Remove the connector ⑤ from the light reception unit.
7. Remove the lead wire from the cable clamp ⑥.
8. Remove the speaker connector ⑦.
9. Remove the FFC from the FFC connector ⑧ on the main PWB.
10. Remove the connector ⑨ from the ir unit.
11. Remove the connector ⑩ from the switch PWB.
12. Remove the right and left speaker connectors ⑪ on the terminal PWB.



Terminal Cover GCOVA1855CEKB



Hinge Cover GCOVA1853CESA
Rotation Cover GCOVA1854CESA

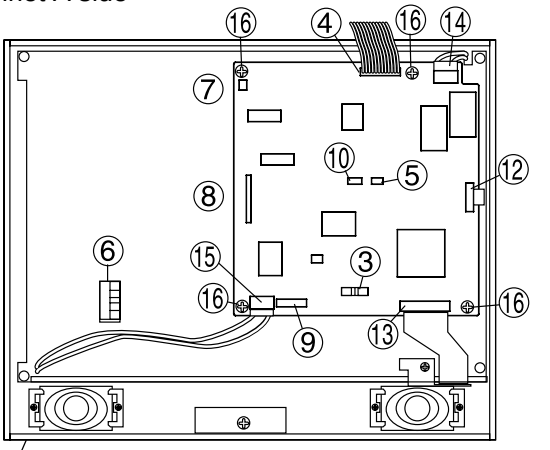
<<Disassembly of the main PWB>>

1. Disconnect the flexible cable connectors ⑫ and ⑬ from the LCD panel.
2. Disconnect the cable connectors ⑭ and ⑮ from the fluorescent lamp.
3. Remove the four screws ⑯.

<<Disassembly of the terminal PWB>>

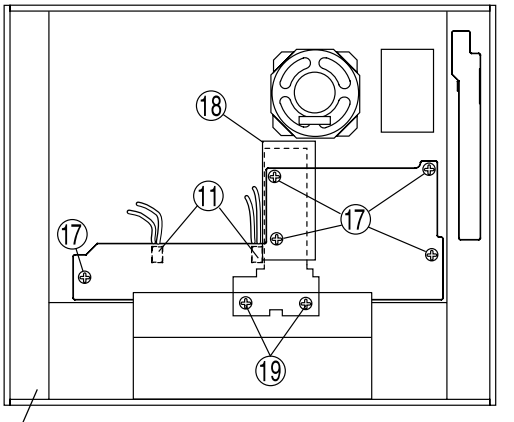
1. Remove the cover ⑱.
2. Remove the five screws ⑰.
3. Remove the two screws ⑲. Take them out of the cabinet holes.

<<Cabinet A side>>



Cabinet A GCABA2401CEKB

<<Cabinet B side>>



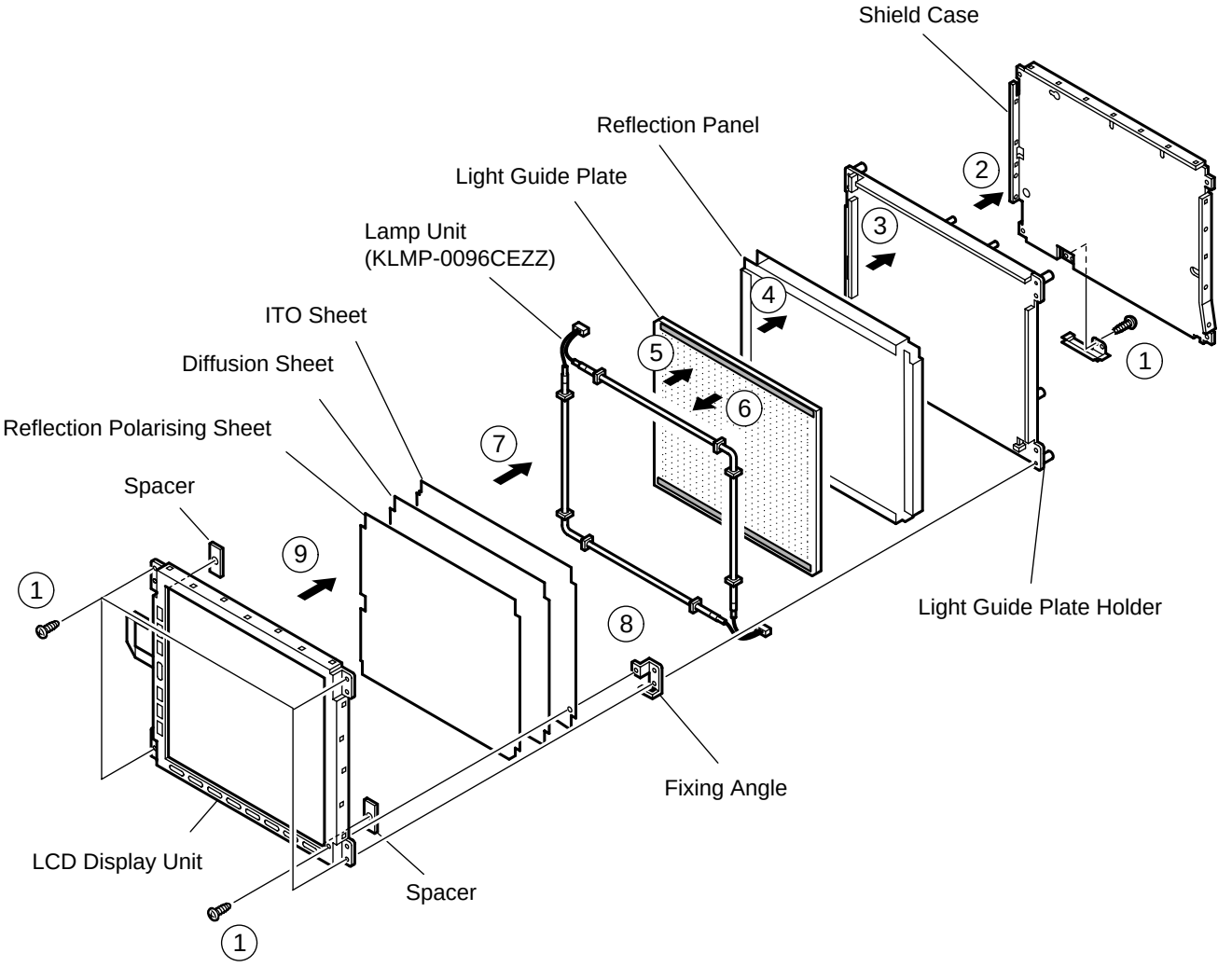
Cabinet B GCABB2295CEKA

- Caution for handling the LCD panel

1. Work in a clean room. (Humidity: 50% or more)
2. A worker must wear arm bands.
3. Work on a conductive mat.
4. Do not expose the unit to shock such as fall or vibration.

<<Disassembly of LCD Panel>>

1. Remove the six LCD unit fixing screws.
2. Remove the shield case.
3. Remove the light guide plate holder.
4. Remove the reflection panel.
5. Remove the light guide plate lamp unit.
6. Remove the light guide plate.
7. Remove the lamp unit.
8. Remove the fixing angle.
9. Remove the ITO sheet, diffusion sheet and reflection polarizing sheet.



ADJUSTING PROCEDURE OF EACH SECTION

Preparation for Adjustments

Use the dedicated AC adapter or stable DC power supply.
AC adapter: UADP-0210CEZZ
DC power supply: 12 (V), 3.2 (A)

[1] Adjusting procedure

1-1. Checker adjustment

Power ON (initialization) → Setting of model and inch size → Model data transfer to the setting E^2PROM (I^2C) → Adjustment processing mode → Adjustment (+B adjustment, 38.9-VCO adjustment, 33.9-L'-VCO adjustment, RF-AGC cut-in adjustment)

1-2. Finish processing adjustment

Setup → Power ON → Adjustment processing mode (Remote control) → Opposed bias, TV contrast and white balance adjustments

[2] Entering the adjustment processing mode

- Setting the 81 pin (KEY4) or 82 pin (KEY5) of IC2001 (microcomputer) to "L", turn on the power.

[3] Key operation in the adjustment processing

Selection of the receiving channel

- The receiving channel UP/DOWN is performed with the tuning UP/DOWN key.
  One push ... The UP/DOWN tuning is performed per channel.
  Continuous push ... The UP/DOWN search is performed until a next receivable station is found.
- Various adjustments
  The adjustment is performed for each item by the menu select, tuning UP/DOWN or volume UP/DOWN key (main body and remote control).
- The adjustment item makes a toggle operation with the menu select key input. (Next item)
  If the menu select key is input while the bottom item is selected, it moves to the top item on the next page.
- The adjustment item makes a toggle operation with the video select key input.
  (Previous item) If the video select key is input while the top item is selected, it moves to the bottom item on the previous page.
- If the auto preset key is input while an item is selected, it moves to the top item on the next page.
  Page 1 → Page 2 → ... → Page 15 → Page 1
- If the manual memory key is input while an item is selected, it moves to the top item on that page. UP/DOWN of each adjustment vale selected is performed with the volume UP/DOWN key input.
- For P14 – 15, the unit enters the register select mode with the volume UP/DOWN key input while PAL/NTSC is selected, and the cursor moves to the address 01.
- The cursor moves up or down with the tuning UP/DOWN key and moves left or right with the volume UP/DOWN key, and a decision is made with the 12 key.
  When the decision is made, the cursor moves to the adjustment value selected, and UP/DOWN of each adjustment value selected by the volume UP/DOWN key input is performed.
  Decide with the 12 key and return to the address select. Move to the next item with the menu select key.
  During address select, the cursor movement by the volume UP/DOWN key input is as follows:
  Example: 01 ↔ 02 ↔ 03 ↔ 01 ↔ ...
  The cursor movement by the tuning UP/DOWN key input is as follows:
  Example: 02 ↔ 05 ↔ ... ↔ F6 ↔ 02 ↔ ...

[4] Initialization

4-1. Connect the 81 pin and 82 pin of IC2001 (microcomputer) to GND, and turn on the power.
4-2. Select the model name (A2E/A2E(K)).
4-3. Select the inch size (12).
4-4. Return the 81 pin and 82 pin of IC2001 (microcomputer) to the original state.

[5] Transmission data by model

Transmission data

Model	E2PROM adress	Item	Write Data	OSD Display

[6] Adjustment

6-1. +B adjustment
1) Receive the E-12CH (PAL color bar).
2) Adjust the voltage of the 49 pin of SC401 to 5.00V±0.02V.
Note: Since 5.0V is a reference voltage of all power voltage, adjust it precisely.

6-2. 38.9-VCO adjustment
1) Set the sound system to the B/G mode.
2) Send the CW signal of 38.9MHz, 90dBμV from SG to TP3201 (IF-OUT).
3) Adjust the L3231 coil so that a voltage of 2.5±0.2V is obtained at TP3203 (AFT).
Note 1: The input impedance of the digital voltmeter must be 1MΩ or more.
Note 2: To adjust L3231, use a non-magnetic driver.
Note 3: No signal must not be input from the antenna.

6-3. 33.9-L'-VCO adjustment
1) Set the sound system to the L' mode.
2) Send the CW signal of 33.9MHz, 90dBμV from SG to TP3201 (IF-OUT).
3) Adjust the R3233 volume so that a voltage of 2.5±0.2V is obtained at TP3203 (AFT).
Note 1: The input impedance of the digital voltmeter must be 1MΩ or more.
Note 2: After performing the adjustment of the item 6-2, execute this item.
Note 3: No signal must not be input from the antenna.

6-4. RF-AGC cut-in adjustment
1) Set the sound system to the B/G mode, and receive the E-12CH (PAL color bar).
2) Set the antenna input level to 56dBμV (75Ω termination, QP value).
3) Turn the R3231 (AGC volume) clockwise so that the voltage of the TP3202 (RF-AGC terminal) becomes maximal.
4) Turn it counterclockwise, and adjust the AGC terminal voltage to the point that is lower than the maximal voltage by 0.5±0.2V.

6-5. Opposed bias adjustment
1) Receive the monoscope pattern.
2) Adjust the "COM BIAS" so that the contrast of the stairway-shaped part may become the biggest.

6-6. TAMP adjustment

1) Receive the E-12CH (PAL color bar).
2) If the reading of “Y” on the page 2 of the adjustment processing is not located between B0 and BA, perform the adjustment of “PAL TAMP” on the same page so that the reading of “Y” is located between B0 and BA.
3) If the adjustment of “PAL TAMP” is executed, write its adjustment value to the followings manually.
   “NTSC TAMP”
   “SECAM TAMP”
   “PAL.M TAMP”
   “PAL.N TAMP”

(Screen of the page 2 of the adjustment processing menu OSD)

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
0		2																									
1		▶	C	O	M		B	I	A	S														1	1	7	
2			N	T	S	C		T	A	M	P														2	7	
3			P	A	L		T	A	M	P															2	7	
4			S	E	C	A	M		T	A	M	P													2	7	
5			P	A	L	-	M		T	A	M	P													2	7	
6			P	A	L	-	N		T	A	M	P													2	7	
7			T	V		H	-	P	E	A	K	I	N	G												3	
8			R	C	U	T	O	F	F																+	3	
9			G	C	U	T	O	F	F																	0	
10			B	C	U	T	O	F	F																-	9	
11			G	3			B	3			R	3					0	0			0	0			0	0	
12			G	1			B	4				Y					0	0			0	0			B	5	
13																											

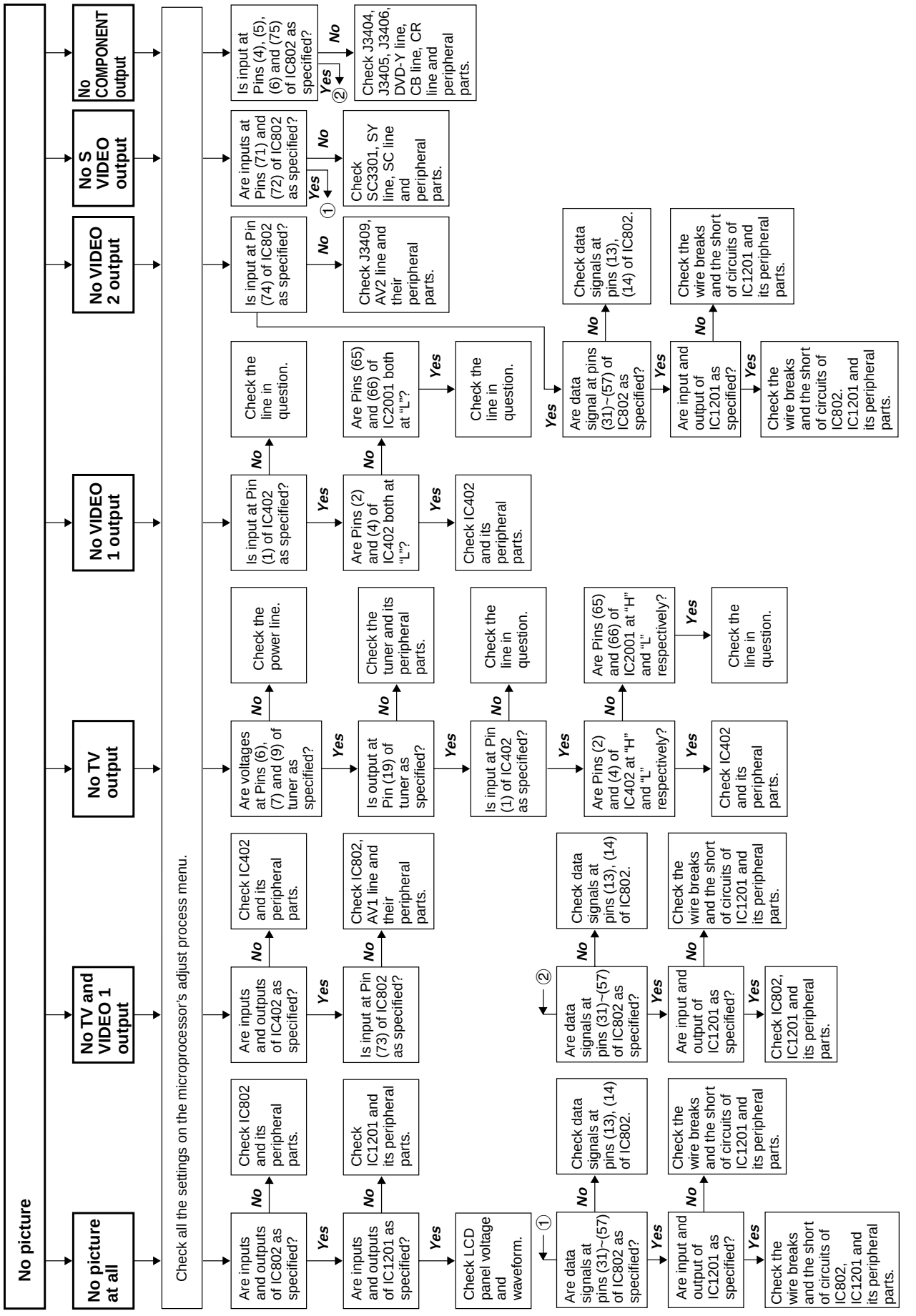
3) Item

Y Data
(White 75%)

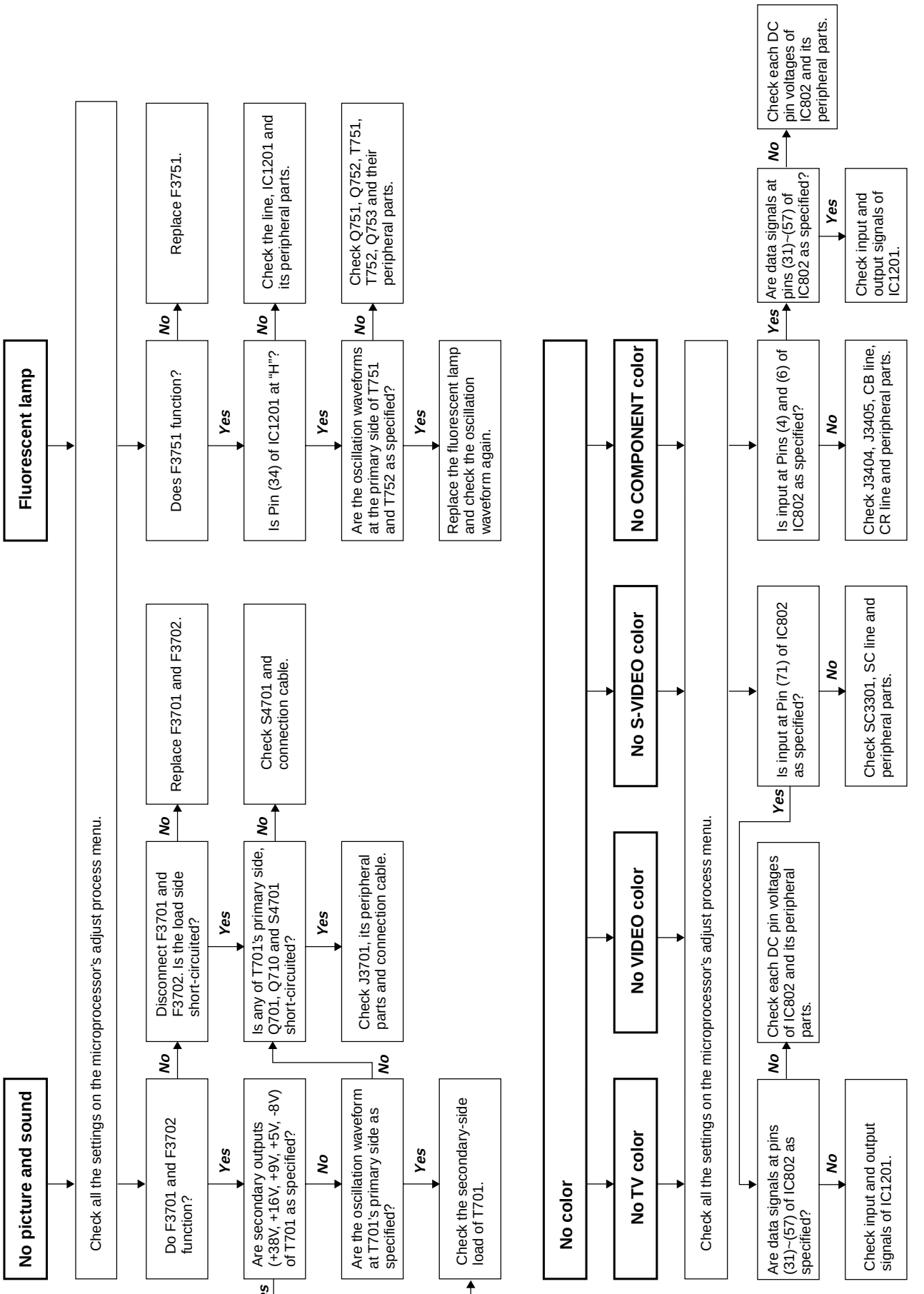
6-7. White balance adjustment

1) Receive the monoscope pattern.
2) Adjust “RCUTOFF” and “BCUTOFF” on the page 2 of the adjustment processing so as to obtain the color of the same level as the standard set.
   Caution: For the adjustment processing of “RCUTOFF” and “BCUTOFF”, adjust them in the indication value range of –10 ~ +10.

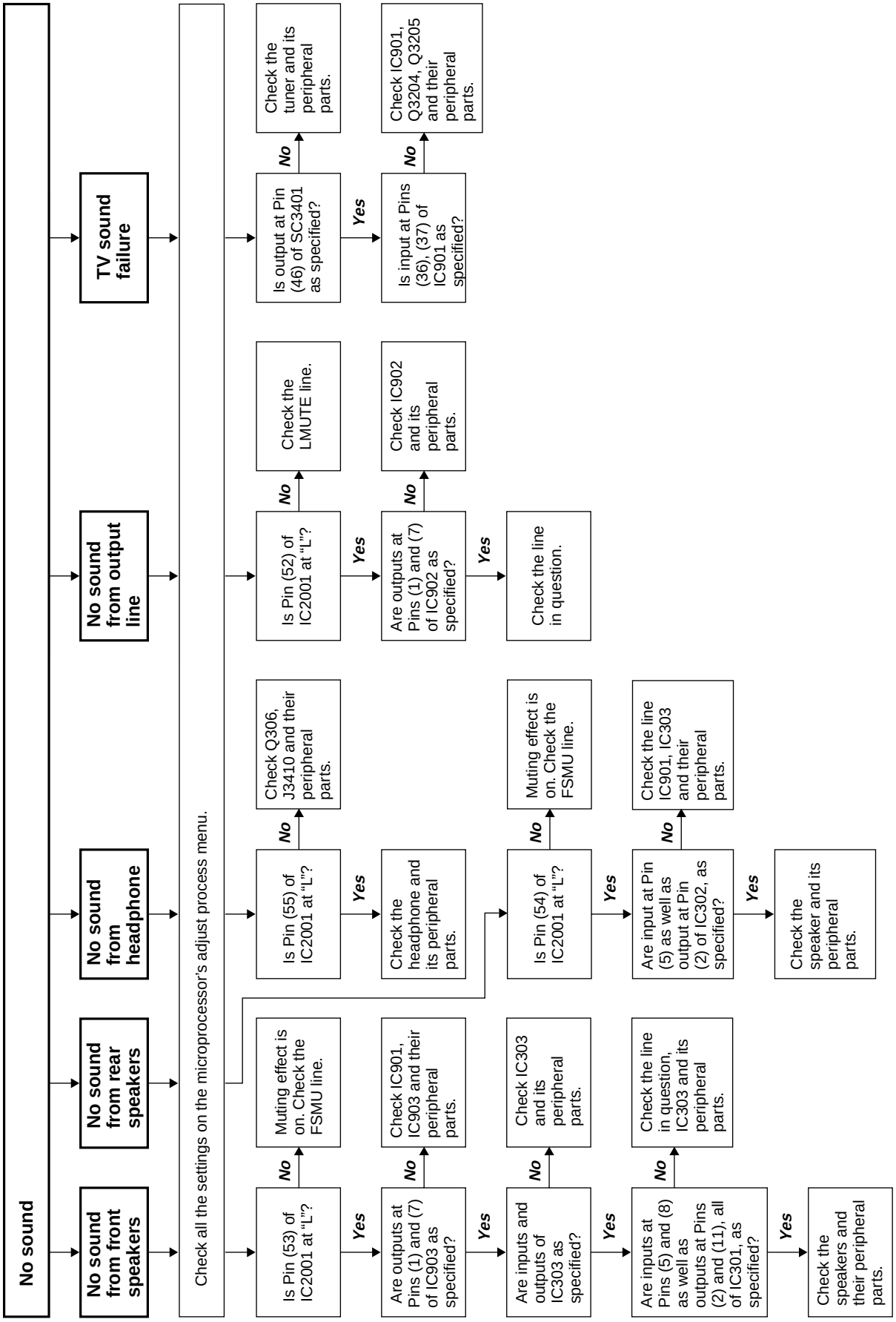
TROUBLE SHOOTING TABLE


No picture
No picture at all
No TV and VIDEO 1 output
No TV output
No VIDEO 1 output
No VIDEO 2 output
No S VIDEO output
No COMPONENT output
Check all the settings on the microprocessor's adjust process menu.
Are inputs and outputs of IC802 as specified?
Yes
No
Check IC802 and its peripheral parts.
Are inputs and outputs of IC1201 as specified?
Check IC1201 and its peripheral parts.
Check LCD panel voltage and waveform.
Are inputs and outputs of IC402 as specified?
Check IC402 and its peripheral parts.
Is input at Pin (73) of IC802 as specified?
Check IC802, AV1 line and their peripheral parts.
Are voltages at Pins (6), (7) and (9) of tuner as specified?
Check the power line.
Is output at Pin (19) of tuner as specified?
Check the tuner and its peripheral parts.
Is input at Pin (1) of IC402 as specified?
Check the line in question.
Are Pins (2) and (4) of IC402 at "H" and "L" respectively?
Check IC402 and its peripheral parts.
Are Pins (65) and (66) of IC2001 at "H" and "L" respectively?
Check the line in question.
Are data signals at pins (31)~(57) of IC802 as specified?
Check data signals at pins (13), (14) of IC802.
Are input and output of IC1201 as specified?
Check the wire breaks and the short of circuits of IC1201 and its peripheral parts.
Check IC802, IC1201 and its peripheral parts.
Check the wire breaks and the short of circuits of IC802, IC1201 and its peripheral parts.
Is input at Pin (1) of IC402 as specified?
Check the line in question.
Are Pins (2) and (4) of IC402 both at "L"?
Check IC402 and its peripheral parts.
Are Pins (65) and (66) of IC2001 both at "L"?
Check the line in question.
Are data signal at pins (31)~(57) of IC802 as specified?
Check data signals at pins (13), (14) of IC802.
Are input and output of IC1201 as specified?
Check the wire breaks and the short of circuits of IC1201 and its peripheral parts.
Check the wire breaks and the short of circuits of IC802. IC1201 and its peripheral parts.
Is input at Pin (74) of IC802 as specified?
Check J3409, AV2 line and their peripheral parts.
Are inputs at Pins (71) and (72) of IC802 as specified?
Check SC3301, SY line, SC line and peripheral parts.
Is input at Pins (4), (5), (6) and (75) of IC802 as specified?
Check J3404, J3405, J3406, DVD-Y line, CB line, CR line and peripheral parts.

TROUBLE SHOOTING TABLE (Continued)

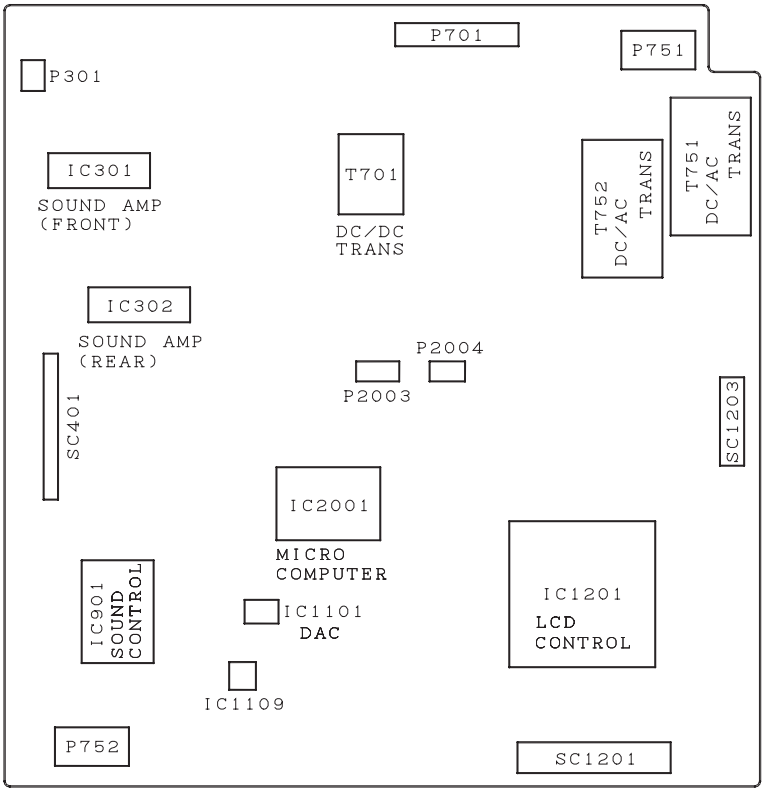

No picture and sound
Check all the settings on the microprocessor's adjust process menu.
Do F3701 and F3702 function?
No
Disconnect F3701 and F3702. Is the load side short-circuited?
No
Replace F3701 and F3702.
Yes
Are secondary outputs (+38V, +16V, +9V, +5V, -8V) of T701 as specified?
No
Is any of T701's primary side, Q701, Q710 and S4701 short-circuited?
No
Check S4701 and connection cable.
Yes
Are the oscillation waveform at T701's primary side as specified?
No
Check J3701, its peripheral parts and connection cable.
Yes
Check the secondary-side load of T701.
Yes
Fluorescent lamp
Does F3751 function?
No
Replace F3751.
Yes
Is Pin (34) of IC1201 at "H"?
No
Check the line, IC1201 and its peripheral parts.
Yes
Are the oscillation waveforms at the primary side of T751 and T752 as specified?
No
Check Q751, Q752, T751, T752, Q753 and their peripheral parts.
Yes
Replace the fluorescent lamp and check the oscillation waveform again.
No color
No TV color
No VIDEO color
No S-VIDEO color
No COMPONENT color
Check all the settings on the microprocessor's adjust process menu.
Are data signals at (31)~(57) of IC802 as specified?
No
Check each DC pin voltages of IC802 and its peripheral parts.
Yes
Is input at Pin (71) of IC802 as specified?
No
Check SC3301, SC line and peripheral parts.
Yes
Check input and output signals of IC1201.
Is input at Pins (4) and (6) of IC802 as specified?
No
Check J3404, J3405, CB line, CR line and peripheral parts.
Yes
Are data signals at pins (31)~(57) of IC802 as specified?
No
Check each DC pin voltages of IC802 and its peripheral parts.
Yes
Check input and output signals of IC1201.

TROUBLE SHOOTING TABLE (Continued)

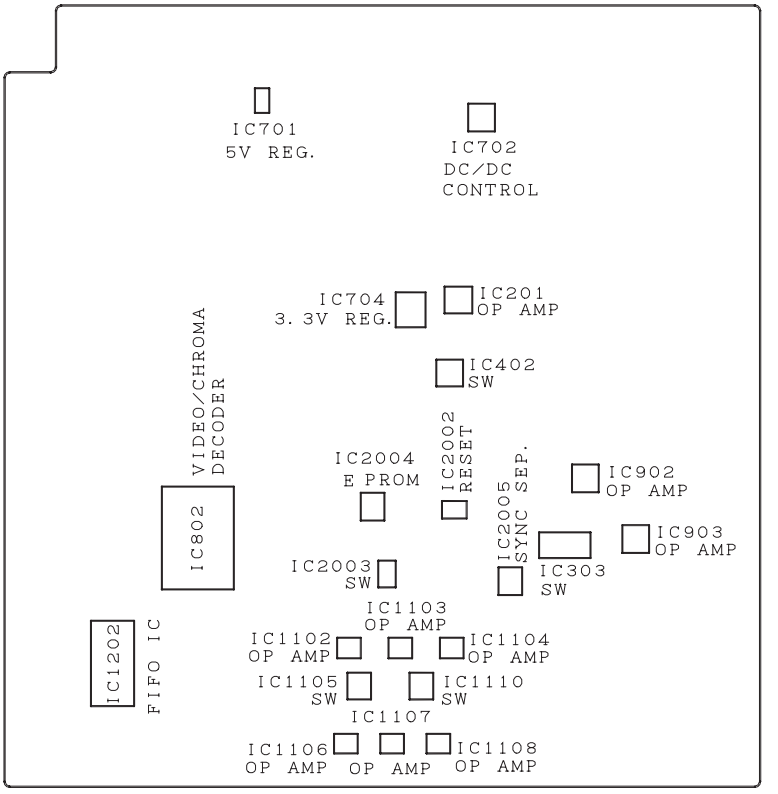

No sound
No sound from front speakers
No sound from rear speakers
No sound from headphone
No sound from output line
TV sound failure
Check all the settings on the microprocessor's adjust process menu.
Is Pin (53) of IC2001 at "L"?
No
Muting effect is on. Check the FSMU line.
Yes
Are outputs at Pins (1) and (7) of IC903 as specified?
No
Check IC901, IC903 and their peripheral parts.
Yes
Are inputs and outputs of IC303 as specified?
No
Check IC303 and its peripheral parts.
Yes
Are inputs at Pins (5) and (8) as well as outputs at Pins (2) and (11), all of IC301, as specified?
No
Check the line in question, IC303 and its peripheral parts.
Yes
Check the speakers and their peripheral parts.
Is Pin (55) of IC2001 at "L"?
No
Check Q306, J3410 and their peripheral parts.
Yes
Check the headphone and its peripheral parts.
Is Pin (54) of IC2001 at "L"?
No
Muting effect is on. Check the FSMU line.
Yes
Are input at Pin (5) as well as output at Pin (2) of IC302, as specified?
No
Check the line IC901, IC303 and their peripheral parts.
Yes
Check the speaker and its peripheral parts.
Is Pin (52) of IC2001 at "L"?
No
Check the LMUTE line.
Yes
Are outputs at Pins (1) and (7) of IC902 as specified?
No
Check IC902 and its peripheral parts.
Yes
Check the line in question.
Is output at Pin (46) of SC3401 as specified?
No
Check the tuner and its peripheral parts.
Yes
Is input at Pins (36), (37) of IC901 as specified?
No
Check IC901, Q3204, Q3205 and their peripheral parts.

CHASSIS LAYOUT

MAIN Unit (Side-A)



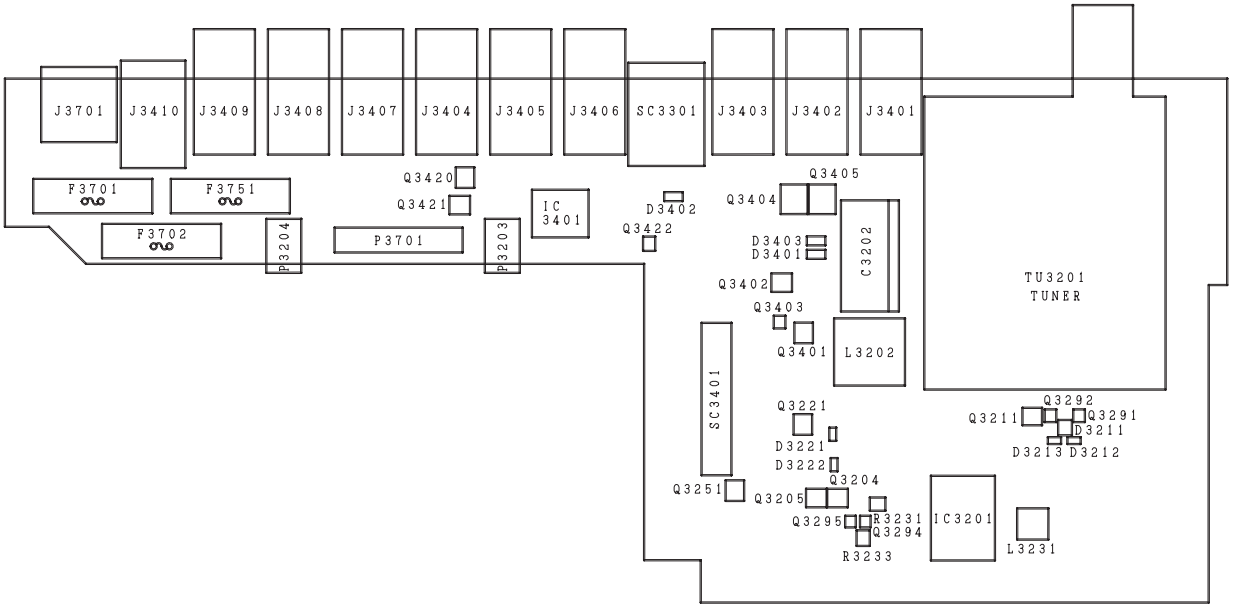
MAIN Unit (Side-B)



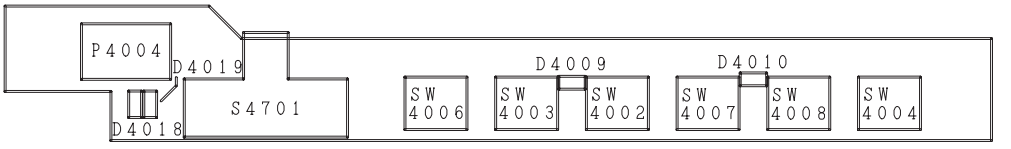
J I H G F E D C B A

1 2 3 4 5 6 7 8 9 10

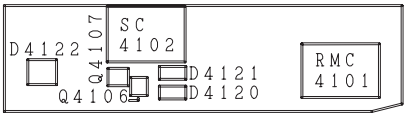
TERMINAL Unit



SWITCH Unit



R/C Unit



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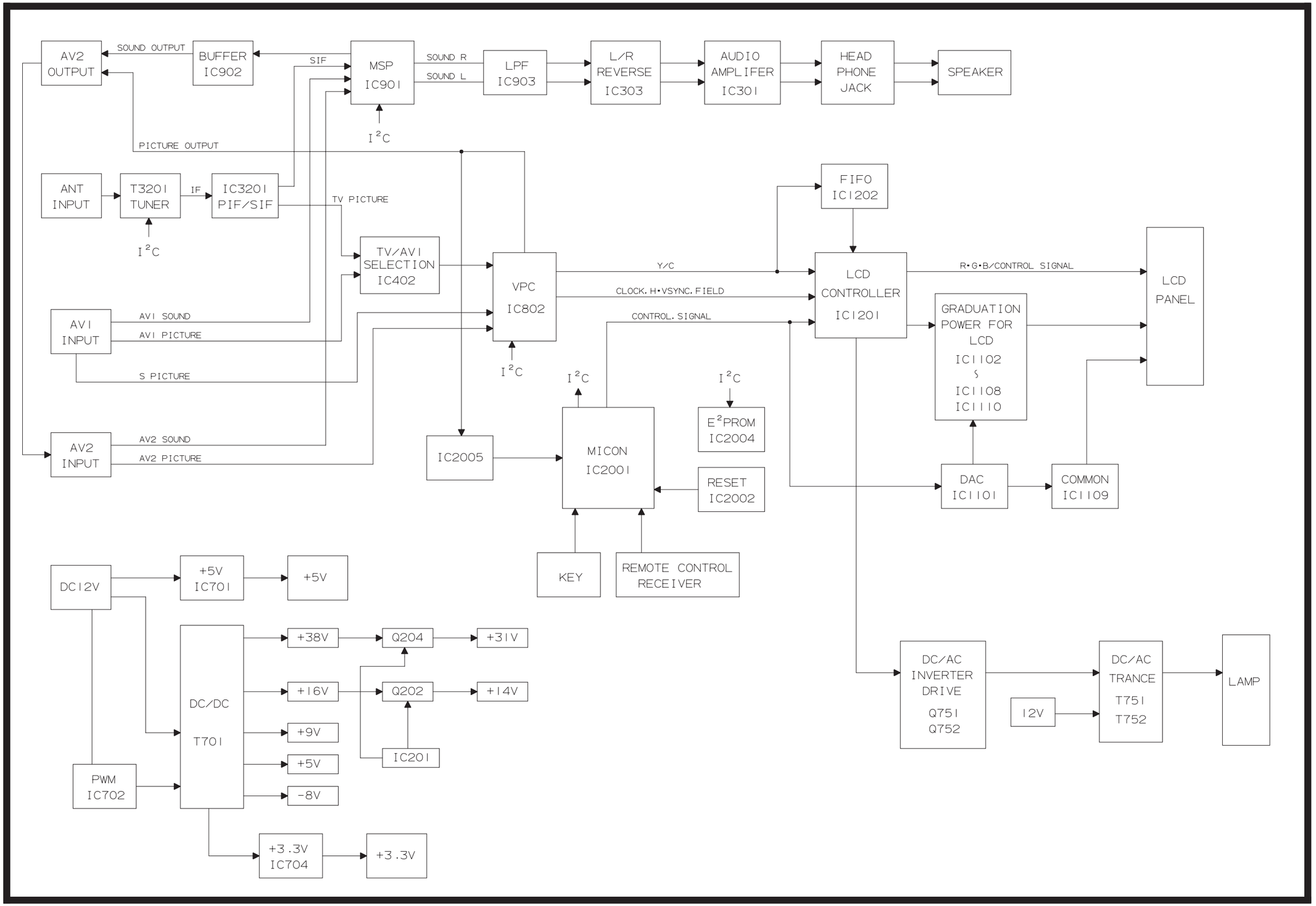
BLOCK DIAGRAM



DESCRIPTION OF SCHEMATIC DIAGRAM

IMPORTANT SAFETY NOTICE:
PARTS MARKED WITH "⚠"( ) ARE INPORTANT FOR MAINTAINING THE SAFETY OF THE SET.
BE SURE TO REPLACE THESE PARTS WITH SPECIFIED ONES FORMAINTAINING THE SAFETY AND PERFORMANCE OF THE SET.

CAUTION:
This circuit diagram is original one, therefore there may be a slight difference from yours.

1. When the exclusive-use AC adapter is used, the color bar signal of color bar generator for service is input to get the normal screen. When the audio is minimized, the voltage value is measured with the 20 kΩ/V tester.
2. When the exclusive-use AC adapter is used, the color density, lightness and color hue are set to the center position, and the signal of color bar generator for service is observed to get waveform.
   The wave form test point is indicated with the mark (Q) in the wiring diagram.
3. Indication of resistors and capacitors

   [Resistors]

   Unit : Nonindication … Ω, K…kΩ,
   M … MΩ

   Error : Nonindication … ±10%
   J … ±5%
   F … ±1%
   D … ±0.5%

   [Capacitor]

   Unit : Nonindication or μ … μF,
   P or p … pF

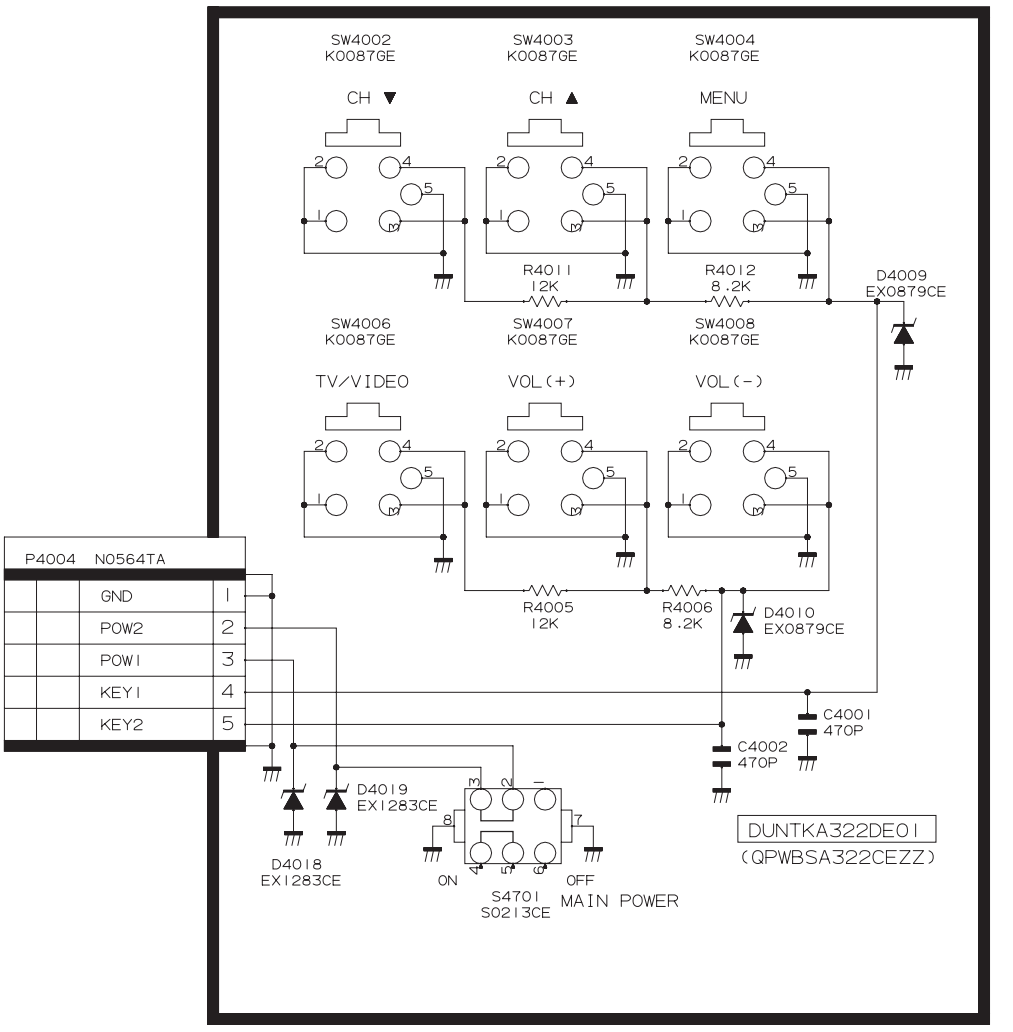
[Item]

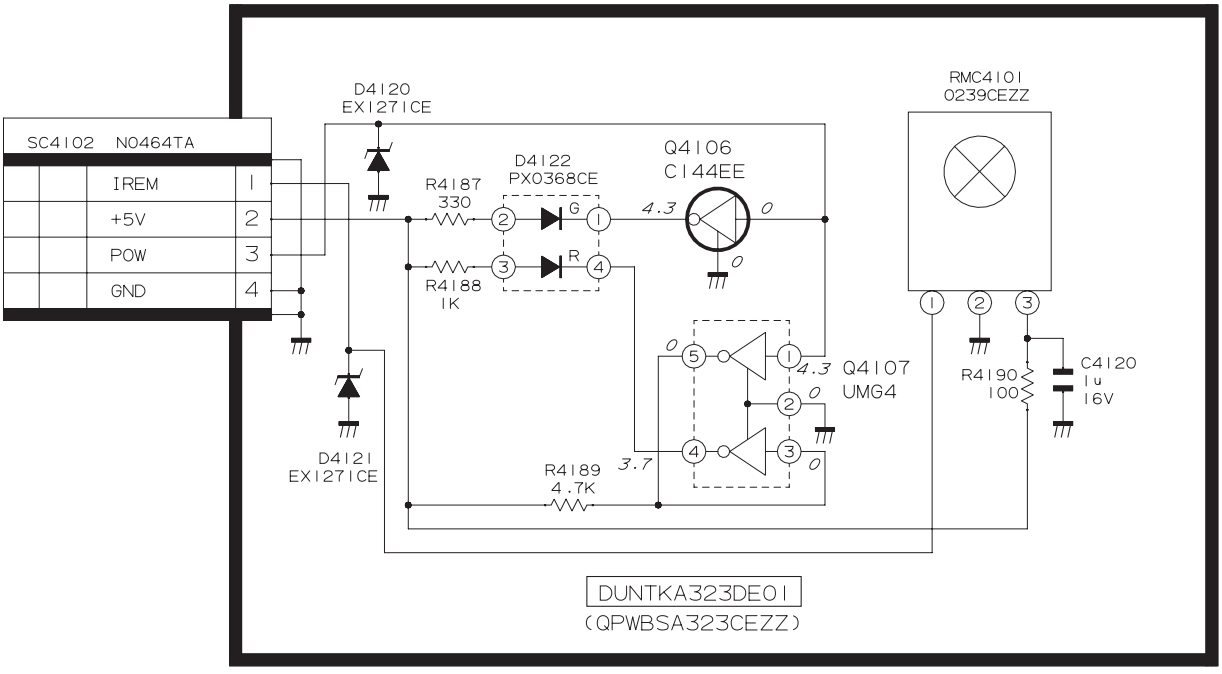
Resistors	
Nonindication	Carbon-film resistor
Ⓒ	Solid resistor
Ⓢ	Metal-oxide-film resistor
Ⓝ	Metal-film resistor
Ⓦ	Cement resistor
Ⓣ	Special resistor

Capacitors	
Nonndication	Ceramic capacitor
ML	Mylar capacitor
PF	Polypropylene
film capacitor	
TA	Tantalum capacitor
Styrol capacitor	

SCHEMATIC DIAGRAMS

■ SWITCH and R/C Unit

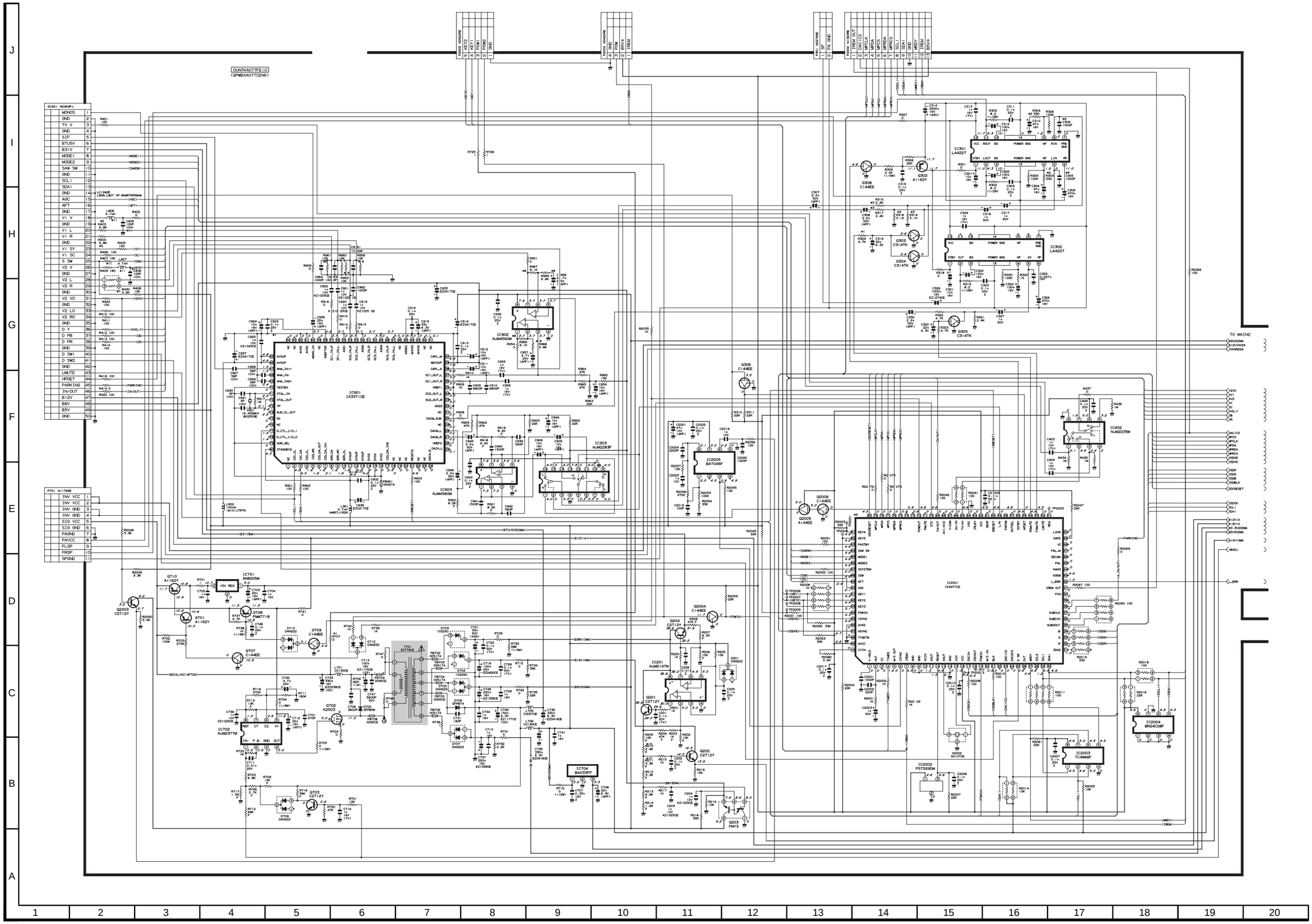




LC-12A2E

■ MAIN Unit -1/2

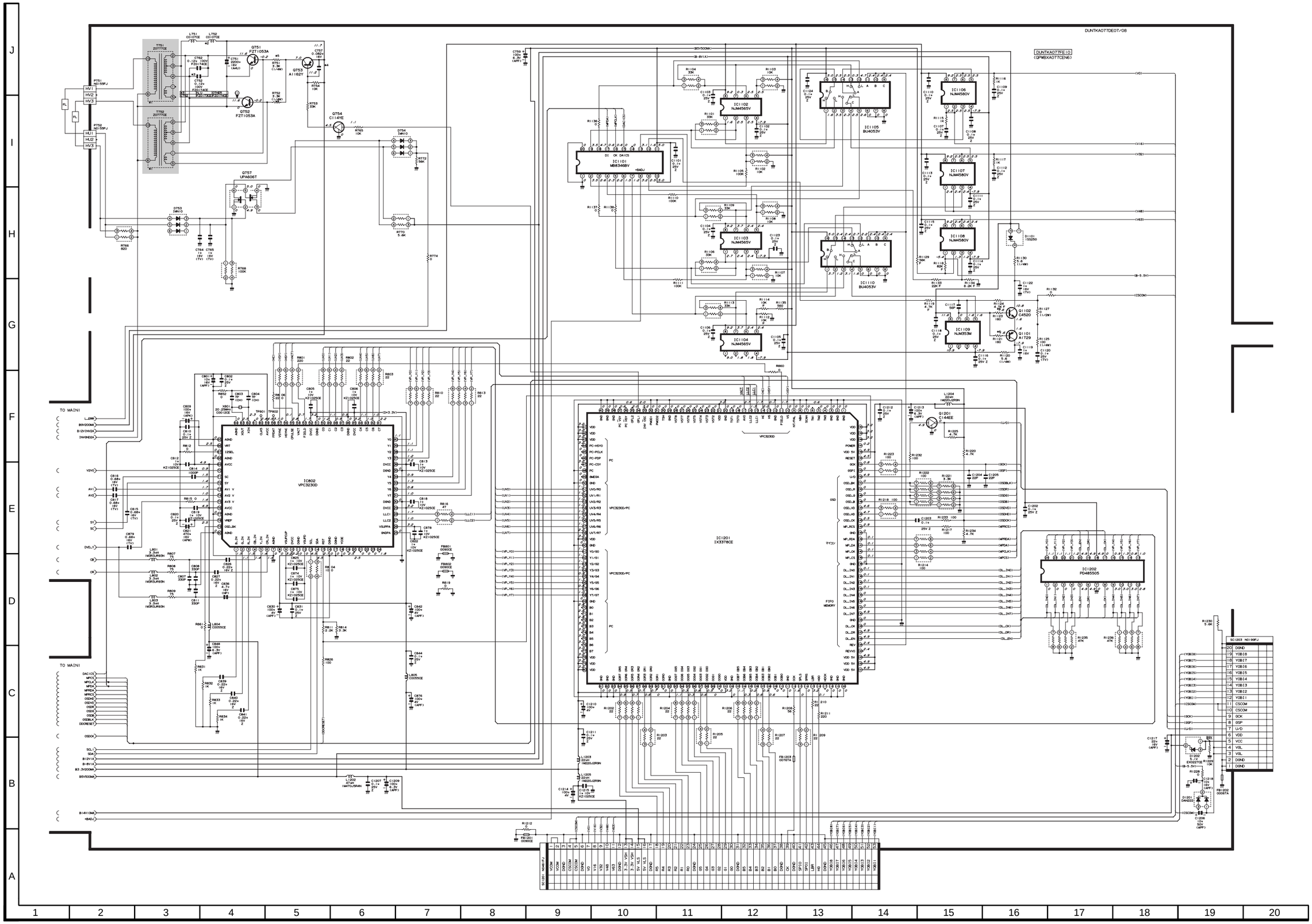
⚠ AND SHADED COMPONENTS=SAFETY RELATED PARTS


DUNTKA077FE10
(GFWBXA077FCEN6)
SC401 ND464PJ
MONOS
GND
TV V
GND
SIF
BTU5V
B31V
MODE1
MODE2
SAW SW
GND
SCL1
SDA1
GND
AGC
AFT
GND
VI V
GND
VI L
VI R
GND
VI SY
VI SC
S SW
V2 V
GND
V2 L
V2 R
GND
V2 VO
GND
V2 LO
V2 RO
GND
D Y
D PB
D PR
GND
D SW1
D SW2
GND
LMUTE
HPDET
PARKING
IN-OUT
B12V
B8V
B5V
GND
P701 NI1766E
INV VCC
INV VCC
INV GND
INV GND
S10 VCC
S10 GND
PAGND
PAVCC
FLSP
FRSP
SPGND
IC901 1X3371CE
IC902 NJM4580M
IC903 NJM4560M
IC303 NJM2283F
IC304 BA033FP
IC305 NJM2377M
IC201 NJM2147M
IC2001 1X3477CE
IC301 LA4227
IC302 LA4227
IC402 NJM2235M
IC2005 BA7046F
IC2002 PST529DM
IC2003 TC4W66F
IC2004 BR24C08F
IC701 AN8005M
Q2003 C2712Y
Q701 A1162Y
Q708 FMMT718
Q709 C144EE
Q707 C144EE
Q702 K2503
Q703 C2712Y
Q710 A1162Y
Q306 C144EE
Q2004 C144EE
Q204 C2712Y
Q201 C2712Y
Q202 C2712Y
Q203 FMY3
Q2006 C144EE
Q2005 A144EE
Q302 A1162Y
Q308 C144EE
Q303 C3147K
Q304 C3147K
Q305 C3147K
Q2002 A2107CE
TO MAIN2
B9.2V3MA
B12V3MA
3MA
B12V1A
B3.3V200MA
B5V50MA
B14V10MA
HBADJ
ERR
V2VO
AV1
AV2
SY
SC
CHROMA_Y
CB
CR
DAC1CS
MPCS
MPCLK
MPDA
MPRDA
MPWDA
MPRDS
OSDHD
OSDVD
OSDR
OSDG
OSDB
OSDBLK
OSDRESET
OSDCK
SCL1
SDA1
B12V1A
B9V1A
B3.3V200MA
B5V50MA
B14V10MA
HBADJ
ERR
(PARKING)
(IN-OUT)
(MODE1)
(MODE2)
(SAWSW)
(AFT)
(AGC)
(SY)
(SC)
(SSW)
(V2VO)
(CHROMA_Y)
(CB)
(CR)
(PARKING)
(IN-OUT)
(B31V3MA)
(B5V50MA)
(B12V1A)
(B38V10MA)
(B16V10MA)
(B9V200MA)
(B510_VCC1AFT02)
(PSWON)
(OSDCK)
(SDA1)
(SCL1)
(MPDA)
(MPCLK)
(MPCS)
(DAC1CS)
(OSDRESET)
(MPDA)
(MPCLK)
(MPCS)
(MPRDA)
(MPRCS)
(SCL1)
(SDA1)
(OSDHD)
(OSDVD)
(OSDR)
(OSDG)
(OSDB)
(OSDBLK)
(SDA1)
(SCL1)
(MPDA)
(MPCLK)
(MPCS)
(MPRDA)
(MPRCS)
(SDA1)
(SCL1)
(OSDHD)
(OSDVD)
(OSDR)
(OSDG)
(OSDB)
(OSDBLK)
(OSDCK)
(SDA1)
(SCL1)
(MPDA)
(MPCLK)
(MPCS)
(DAC1CS)
(PSWON)
(OSDRESET

LC-12A2E

■ MAIN Unit -2/2

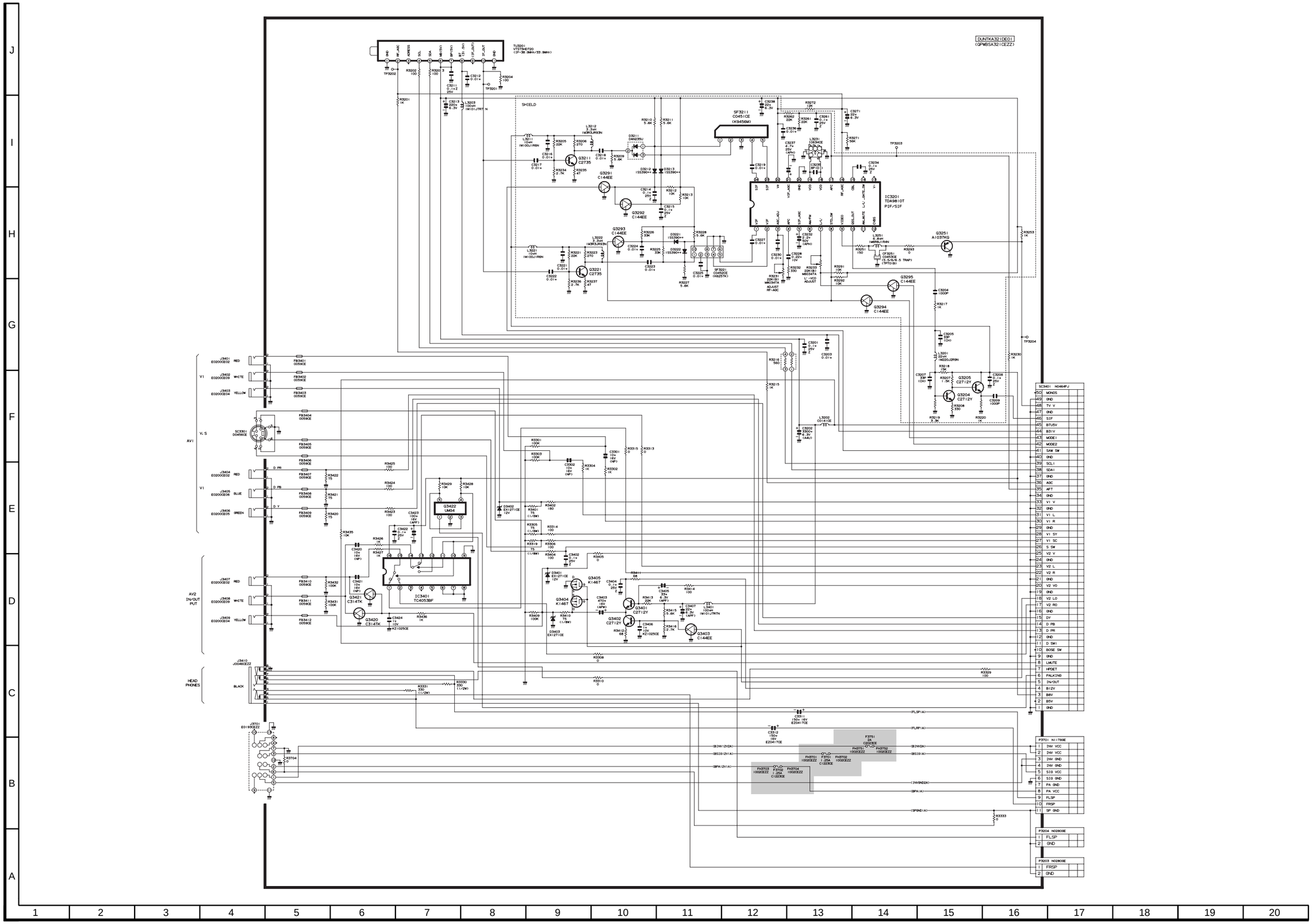
⚠ AND SHADED COMPONENTS=SAFETY RELATED PARTS



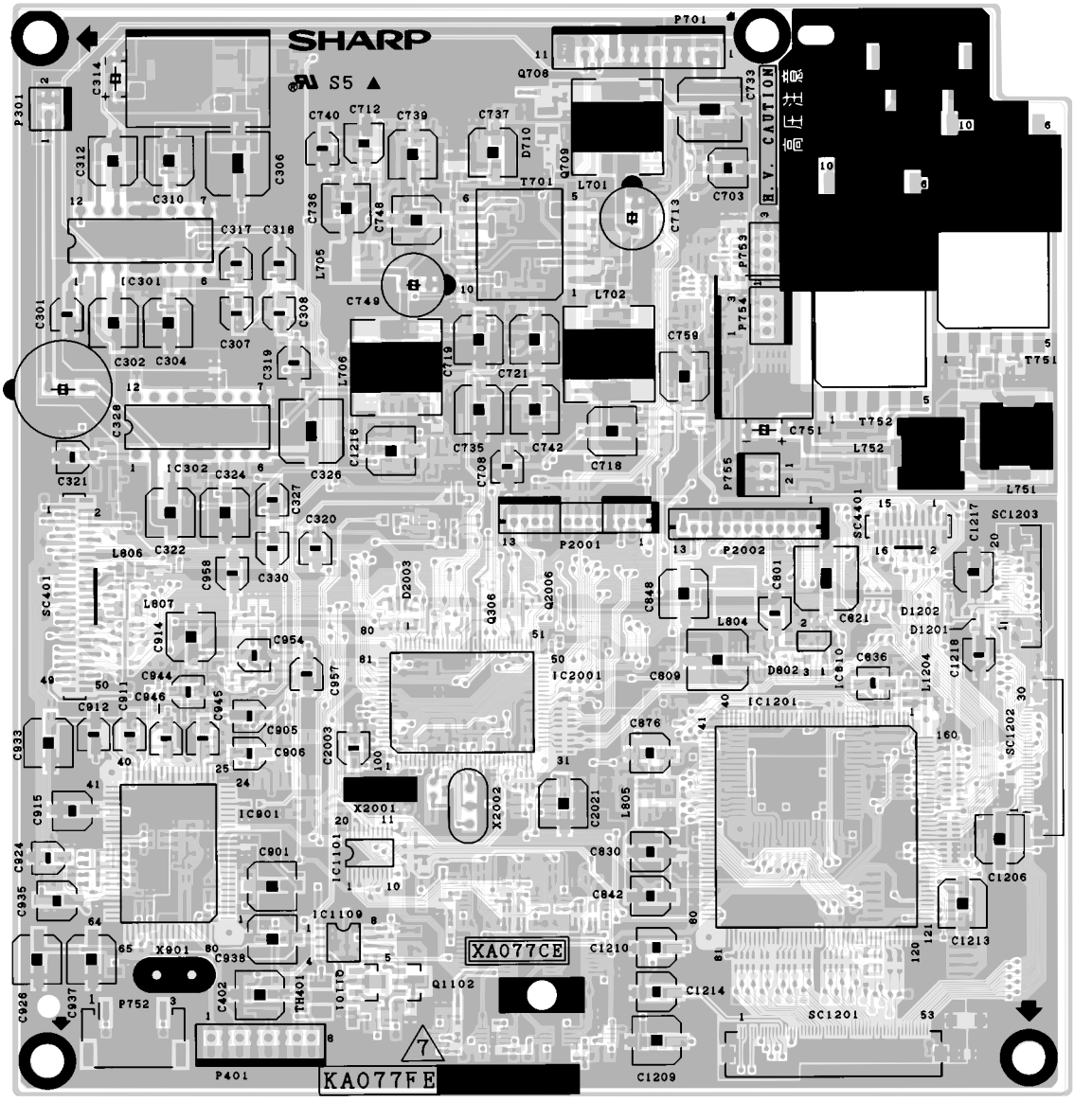
LC-12A2E

■ TERMINAL Unit

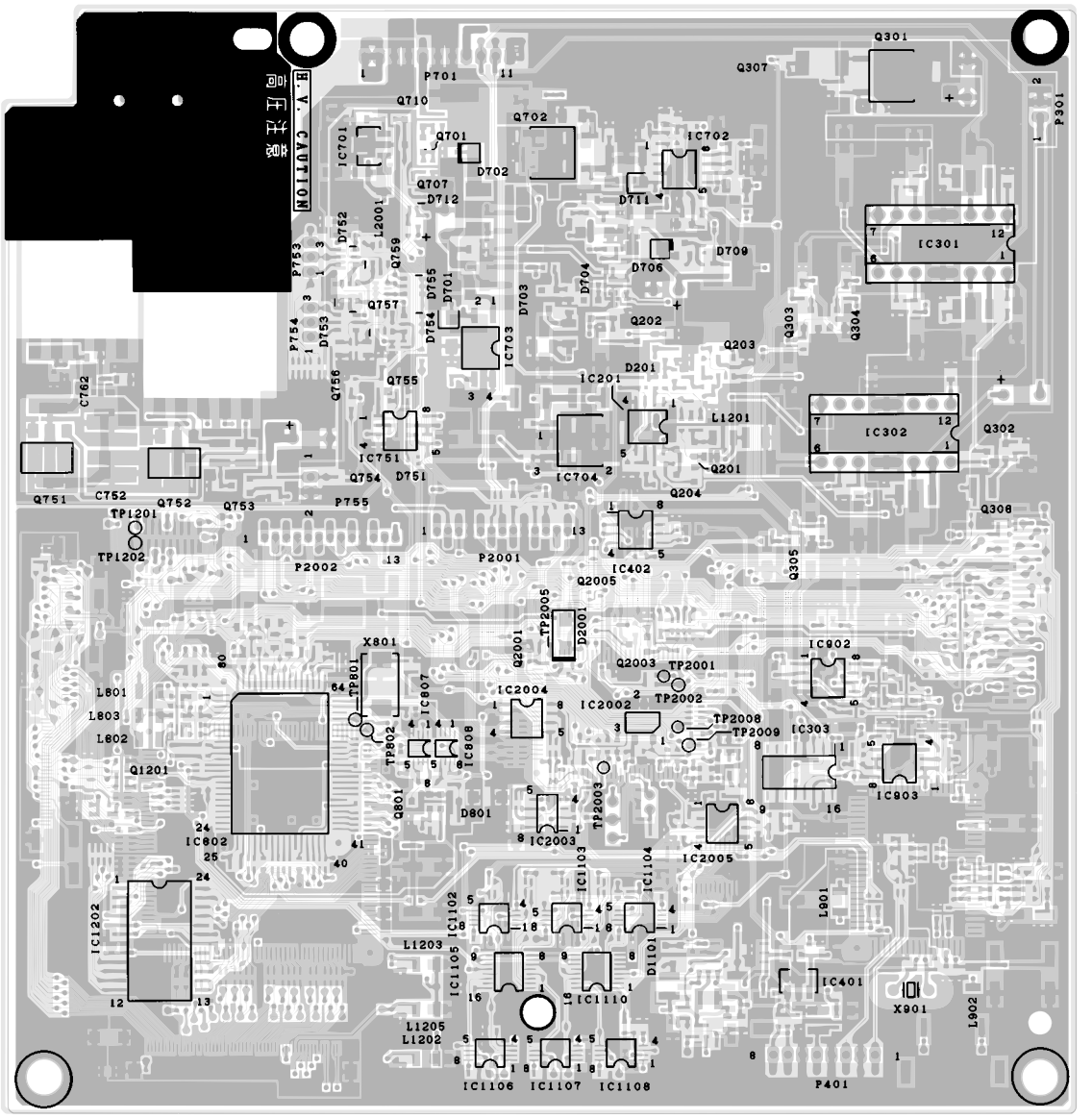
⚠ AND SHADED COMPONENTS=SAFETY RELATED PARTS



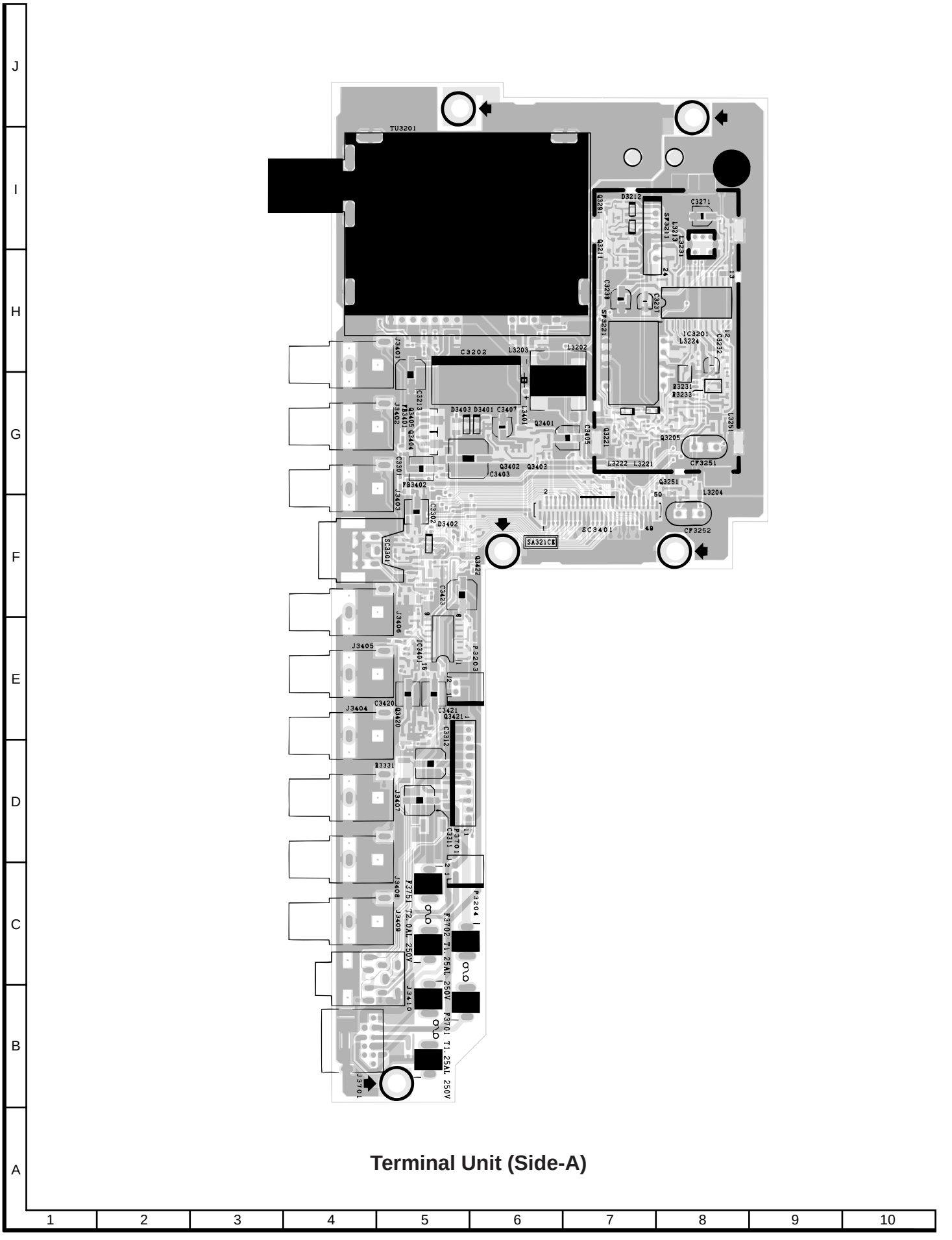
PRINTED WIRING BOARD ASSEMBLIES



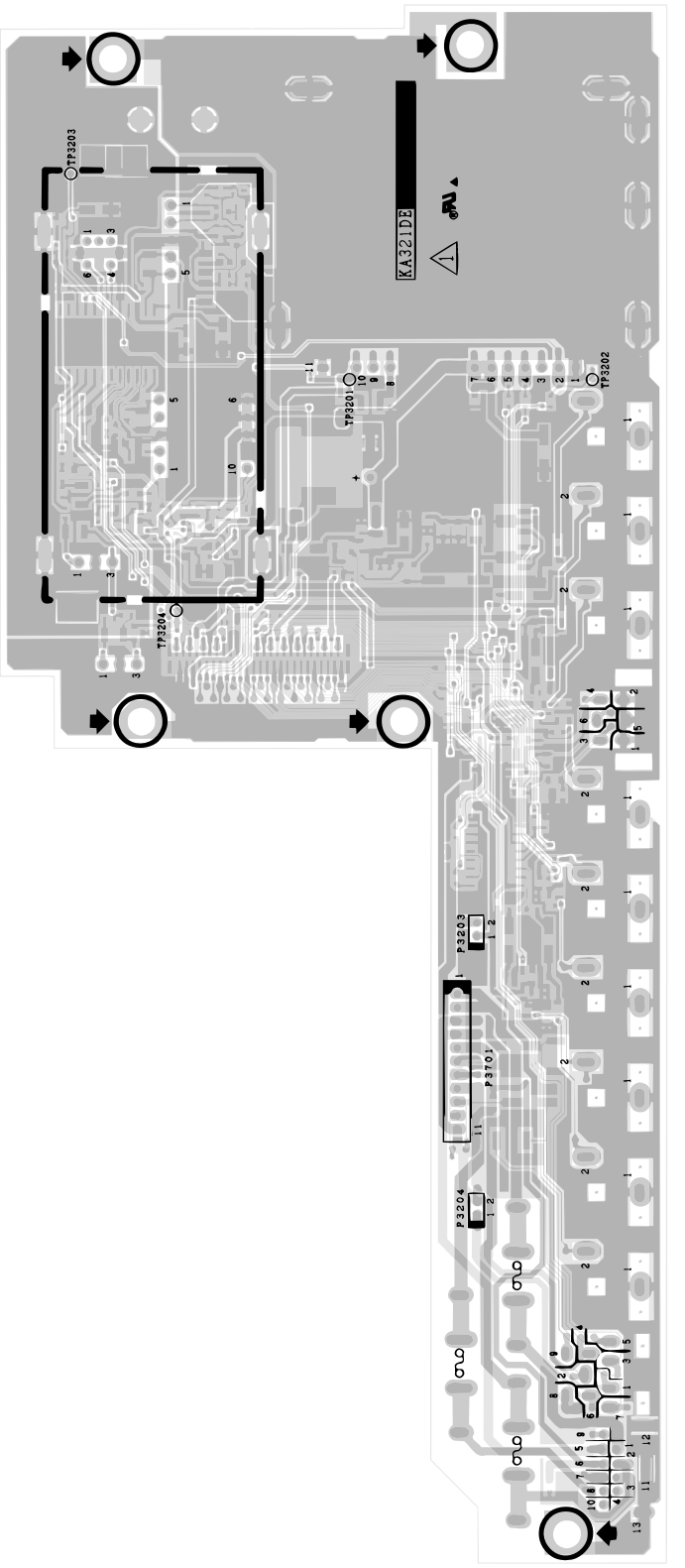
Main Unit (Side-A)



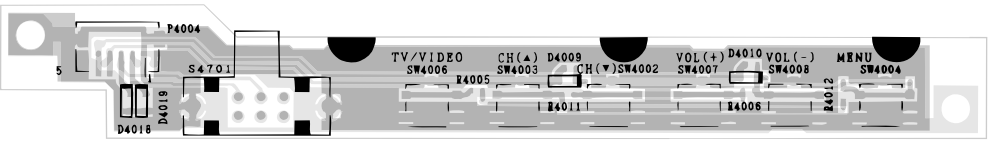
Main Unit (Side-B)



Terminal Unit (Side-A)

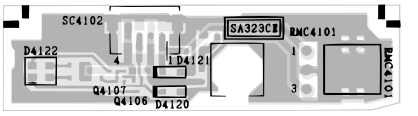


Terminal Unit (Side-B)

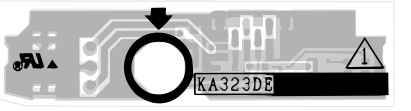


Switch Unit (Side-A)

Switch Unit (Side-B)



R/C Unit (Side-A)



R/C Unit (Side-B)

PARTS LIST

PARTS REPLACEMENT

Replacement parts which have these special safety characteristics identified in this manual: electrical components having such features are identified by "⚠" and shaded area in the Replacement Parts Lists and schematic diagrams.
The use of a substitute replacement part which does not have the same safety characteristics as the factory recommended replacement parts shown in this service manual may create shock, fire or other hazards.

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following informations.

1. MODEL NUMBER **2. REF. NO.**
3. PART NO. **4. DESCRIPTION**

MARK★: SPARE PARTS-DELIVERY SECTION

Ref. No.	Part No.	★	Description	Code

LCD MODULE UNIT

	RLCDT0057CEZZ	J	Display	DD

LAMP UNIT

⚠	KLMP-0096CEZZ	J	Lamp Unit	BA

PRINTED WIRING BOARD ASSEMBLIES
(NOT REPLACEMENT ITEM)

DUNTKA077FE10	– Main PWB Unit	—
DUNTKA321DE01	– Terminal PWB Unit	—
DUNTKA322DE01	– Switch PWB Unit	—
DUNTKA323DE01	– R/C PWB Unit	—

Ref. No.	Part No.	★	Description	Code

DUNTKA077FE10
MAIN PWB UNIT

INTEGRATED CIRCUITS

IC201	VHiNJM2147M-1	J	NJM2147M	AF
IC301	VHiLA4227//-1	J	LA4227	AG
IC302	VHiLA4227//-1	J	LA4227	AG
IC303	VHiNJM2283F-1	J	NJM2283F	AF
IC402	VHiNJM2235M-1	J	NJM2235M	AE
IC701	VHiAN8005M/-1	J	AN8005M	AD
IC702	VHiNJM2377M-1	J	NJM2377M	AK
IC704	VHiBA033FP/-1	J	BA033FP	AG
IC802	VHiVPC3230D-1	J	VPC3230D	BG
IC901	RH-iX3371CEZZ	J	IX3371CE	BD
IC902	VHiNJM4560M-1	J	NJM4560M	AG
IC903	VHiNJM4560M-1	J	NJM4560M	AG
IC1101	VHiMB8346BV-1	J	MB8346BV	AN
IC1102	VHiNJM4565V-1	J	NJM4565V	AF
IC1103	VHiNJM4565V-1	J	NJM4565V	AF
IC1104	VHiNJM4565V-1	J	NJM4565V	AF
IC1105	VHiBU4053V/-1	J	BU4053V	AE
IC1106	VHiNJM4580V-1	J	NJM4580V	AE
IC1107	VHiNJM4580V-1	J	NJM4580V	AE
IC1108	VHiNJM4580V-1	J	NJM4580V	AE
IC1109	VHiNJM353M/-1	J	NJM353M	AG
IC1110	VHiBU4053V/-1	J	BU4053V	AE
IC1201	RH-iX3378CEZZ	J	IX3378CE	AY
IC1202	VHiPD485505-2	J	PD485505	AY
IC2001	RH-iX3477CEZZQ	J	IX3477CE	BA
IC2002	VHiPST529DM-1	J	PST529DM	AE
IC2003	VHiTC4W66F/-1	J	TC4W66F	AE
IC2004	VHiBR24C08F-1	J	BR24C08F	AF
IC2005	VHiBA7046F/-1	J	BA7046F	AF

TRANSISTORS

Q201	VS2SC2712Y/-1	J	2SC2712Y	AB
Q202	VS2SC2712Y/-1	J	2SC2712Y	AB
Q203	VSFMY3/////-1	J	FMY3	AB
Q204	VS2SC2712Y/-1	J	2SC2712Y	AB
Q302	VS2SA1162Y/-1	J	2SA1162Y	AB
Q303	VSDTC314TK/-1	J	DTC314TK	AC
Q304	VSDTC314TK/-1	J	DTC314TK	AC
Q305	VSDTC314TK/-1	J	DTC314TK	AC
Q306	VSDTC144EE/-1	J	DTC144EE	AA
Q308	VSDTC144EE/-1	J	DTC144EE	AA
Q701	VS2SA1162Y/-1	J	2SA1162Y	AB
Q702	VS2SK2503//-1	J	2SK2503	AE
Q703	VS2SC2712Y/-1	J	2SC2712Y	AB
Q707	VSDTC144EE/-1	J	DTC144EE	AA
Q708	VSFMMT718//-1	J	FMMT718	AE
Q709	VSDTC144EE/-1	J	DTC144EE	AA
Q710	VS2SA1162Y/-1	J	2SA1162Y	AB
Q751	VSFZT1053A/-1	J	FZT1053A	AG
Q752	VSFZT1053A/-1	J	FZT1053A	AG
Q753	VS2SA1162Y/-1	J	2SA1162Y	AB
Q754	VSDTC114YE/-1	J	DTC114YE	AB
Q757	VSUPA606T//-1	J	UPA606T	AD
Q1101	VS2SA1729//-1	J	2SA1729	AF
Q1102	VS2SC4520//-1	J	2SC4520	AE
Q1201	VSDTC144EE/-1	J	DTC144EE	AA
Q2003	VS2SC2712Y/-1	J	2SC2712Y	AB
Q2004	VSDTC144EE/-1	J	DTC144EE	AA
Q2005	VSDTA144EE/-1	J	DTA144EE	AA
Q2006	VSDTC144EE/-1	J	DTC144EE	AA

DIODES AND LED'S

D201	VHDDAN222//-1	J	DAN222	AA
D702	VHDSFPB56//2E	J	SFPB56	AC
D703	VHD1SS250//1E	J	1SS250	AB
D704	VHD1SS250//1E	J	1SS250	AB
D705	VHDDAN222//-1	J	DAN222	AA
D706	VHDSFPB74//2E	J	SFPB74	AD
D707	VHDDAN222//-1	J	DAN222	AA
D709	VHDDAN222//-1	J	DAN222	AA

Ref. No.	Part No.	★	Description	Code
DUNTKA077FE10 MAIN PWB UNIT(Continued)				
D710	VHDDAN222//-1	J	DAN222	AA
D712	VHDDAN222//-1	J	DAN222	AA
D753	VHDiMN10///-1	J	IMN10	AB
D754	VHDiMN10///-1	J	IMN10	AB
D1101	VHD1SS250//1E	J	1SS250	AB
D1201	VHDDAN222//-1	J	DAN222	AA
D1202	RH-EX0227CEZZ	J	Zener Diode, 5.1V	AB
PACKAGED CIRCUITS				
X801	RCRSC0012CEZZ	J	Crystal, CRSC0012CE	AH
X901	RCRSB0250GEZZ	J	Crystal, CRSB0250GE	AG
FILTER				
X2002	RFiLA0107CEZZ	J	Filter, FiLA0107CE	AD
COILS				
L701	RCiLC0130CEZZ	J	Coil, CiLC0130CE	AG
L705	RCiLC0057CEZZ	J	Coil, CiLC0057CE	AD
L706	RCiLC0130CEZZ	J	Coil, CiLC0130CE	AG
L751	RCiLC0107CEZZ	J	Coil, CiLC0107CE	AF
L752	RCiLC0107CEZZ	J	Coil, CiLC0107CE	AF
L801	VP-1M3R3JR93N	J	Peaking, 3.3µH	AB
L802	VP-1M3R3JR93N	J	Peaking, 3.3µH	AB
L803	VP-1M3R3JR93N	J	Peaking, 3.3µH	AB
L804	RCiLC0055CEZZ	J	Coil, CiLC0055CE	AD
L805	RCiLC0055CEZZ	J	Coil, CiLC0055CE	AD
L806	VP-9N4R7KR56N	J	Peaking, 4.7µH	AC
L807	VP-9N4R7KR56N	J	Peaking, 4.7µH	AC
L901	VP-1M4R7J1R2N	J	Peaking, 4.7µH	AB
L902	VP-1M101J7R7N	J	Peaking, 100µH	AC
L1202	VP-1M470J5R4N	J	Peaking, 47µH	AC
L1203	VP-1M220J2R9N	J	Peaking, 22µH	AC
L1204	VP-1M220J2R9N	J	Peaking, 22µH	AC
L1205	VP-1M220J2R9N	J	Peaking, 22µH	AC
TRANSFORMERS				
⚠ T701	RTRNZ0778CEZZ	J	Transformer	AM
⚠ T751	RTRNZ0777CEZZ	J	Transformer	AM
⚠ T752	RTRNZ0777CEZZ	J	Transformer	AM
CAPACITORS				
C201	VCKYTV1HF104Z	J	0.1 50V Ceramic	AA
C202	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C203	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C204	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C205	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C206	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
C301	VCEAPF1CN106M	J	10 16V Electrolytic	AD
C302	VCEAPF1CN107M	J	100 16V Electrolytic	AD
C303	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C304	VCEAPF1CN476M	J	47 16V Electrolytic	AD
C305	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C306	VCEAPW1CN477M	J	470 16V Electrolytic	AE
C307	VCEAPF1HN225M	J	2.2 50V Electrolytic	AD
C308	VCEAPF1HN225M	J	2.2 50V Electrolytic	AD
C309	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C310	VCEAPF1CN476M	J	47 16V Electrolytic	AD
C311	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C312	VCEAPF1CN107M	J	100 16V Electrolytic	AD
C313	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C314	VCEA4U1CN228M	J	2200 16V Electrolytic	AE
C316	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C317	VCEAPF1HN105M	J	1 50V Electrolytic	AD
C318	VCEAPF1HN105M	J	1 50V Electrolytic	AD
C319	VCEAPF0JN226M	J	22 6.3V Electrolytic	AD
C320	VCEAPF0JN226M	J	22 6.3V Electrolytic	AD
C321	VCEAPF1CN106M	J	10 16V Electrolytic	AD
C322	VCEAPF1CN107M	J	100 16V Electrolytic	AD
C323	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C324	VCEAPF1CN107M	J	100 16V Electrolytic	AD

Ref. No.	Part No.	★	Description	Code
C325	VCKYCY1CB273K	J	0.027 16V Ceramic	AA
C326	VCEAPW1CN477M	J	470 16V Electrolytic	AE
C327	VCEAPF1HN105M	J	1 50V Electrolytic	AD
C328	RC-EZ1274CEZZ	J	1000 16V Electrolytic	AD
C329	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C330	VCEAPF1HN225M	J	2.2 50V Electrolytic	AD
C403	VCKYTV1AB105K	J	1 10V Ceramic	AD
C404	VCKYTV1AB105K	J	1 10V Ceramic	AD
C406	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C408	VCCCCY1HH101J	J	100p 50V Ceramic	AA
C409	VCCCCY1HH101J	J	100p 50V Ceramic	AA
C701	VCCCCY1HH471J	J	470p 50V Ceramic	AA
C702	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C703	VCEAPF1CN226M	J	22 16V Electrolytic	AD
C704	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C706	VCKYCY1HB562K	J	5600p 50V Ceramic	AA
C707	VCKYCY1CF334Z	J	0.33 16V Ceramic	AA
C708	VCEAPF0JN226M	J	22 6.3V Electrolytic	AD
C710	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C711	VCKYCY1EB103K	J	0.01 25V Ceramic	AA
C712	VCEAPT1CN226M	J	22 16V Electrolytic	AC
C713	RC-EZ1176CEZZ	J	100 16V Electrolytic	AK
C716	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C719	RC-EZ0420CEZZ	J	100 25V Electrolytic	AE
C721	VCEASD1HN336M	J	33 50V Electrolytic	AD
C722	VCKYTV1HF104Z	J	0.1 50V Ceramic	AA
C728	VCKYTV1HF104Z	J	0.1 50V Ceramic	AA
C729	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C731	VCCCCY1HH181J	J	180p 50V Ceramic	AA
C733	RC-EZ0538CEZZ	J	330 16V Electrolytic	AE
C734	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C735	RC-EZ0416CEZZ	J	330 6.3V Electrolytic	AD
C736	RC-EZ0416CEZZ	J	330 6.3V Electrolytic	AD
C737	RC-EZ1339CEZZ	J	220 16V Electrolytic	AD
C738	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C740	VCEAPF1EN475M	J	4.7 25V Electrolytic	AC
C741	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C746	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C747	VCKYTV1HB562K	J	5600p 50V Ceramic	AA
C748	RC-EZ1339CEZZ	J	220 16V Electrolytic	AD
C749	RC-EZ1177CEZZ	J	150 6.3V Electrolytic	AH
C751	VCEA4U1CN228M	J	2200 16V Electrolytic	AE
C752	RC-FZ0174CEZZ	J	0.12 100V Mylar	AG
C757	VCKYCY1CB823K	J	0.082 16V Ceramic	AH
C759	VCEAPF0JN107M	J	100 6.3V Electrolytic	AD
C762	RC-FZ0174CEZZ	J	0.12 100V Mylar	AG
C764	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C765	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C801	VCEAPF1CN106M	J	10 16V Electrolytic	AD
C802	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C803	VCCCCY1HH7R0D	J	7p 50V Ceramic	AA
C804	VCCCCY1HH7R0D	J	7p 50V Ceramic	AA
C805	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C806	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C807	VCKYCY1HB331K	J	330p 50V Ceramic	AA
C808	VCKYCY1HB331K	J	330p 50V Ceramic	AA
C809	VCEAPK1CN107M	J	100 16V Electrolytic	AD
C810	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C811	VCKYCY1HB331K	J	330p 50V Ceramic	AA
C812	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C813	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C814	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C815	VCKYTV1CF684Z	J	0.68 16V Ceramic	AB
C816	VCKYTV1CF684Z	J	0.68 16V Ceramic	AB
C817	VCKYTV1CF684Z	J	0.68 16V Ceramic	AB
C818	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C819	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C820	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C821	VCEAPW1CN477M	J	470 16V Electrolytic	AE
C822	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C825	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C826	VCKYCY1CF224Z	J	0.22 16V Ceramic	AA
C827	VCKYCY1CF224Z	J	0.22 16V Ceramic	AA
C830	VCEAPF0GW107M	J	100 4V Electrolytic	AC
C831	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA

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Ref. No.	Part No.	★	Description			Code
C836	VCE9PF1CN475M	J	4.7	16V	Electrolytic	AD
C839	VCKYCY1CF224Z	J	0.22	16V	Ceramic	AA
C840	VCKYCY1CF224Z	J	0.22	16V	Ceramic	AA
C841	VCKYCY1CF224Z	J	0.22	16V	Ceramic	AA
C842	VCEAPF0GW107M	J	100	4V	Electrolytic	AC
C844	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C848	VCEAPF0JW107M	J	100	6.3V	Electrolytic	AC
C874	RC-KZ1025CEZZ	J	1	10V	Ceramic	AB
C875	RC-KZ1025CEZZ	J	1	10V	Ceramic	AB
C876	VCEAPF0GW107M	J	100	4V	Electrolytic	AC
C878	RC-KZ1025CEZZ	J	1	10V	Ceramic	AB
C879	VCKYTV1CF684Z	J	0.68	16V	Ceramic	AB
C902	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C905	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C906	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C909	VCKYCY1HB682K	J	6800p	50V	Ceramic	AA
C910	VCKYCY1HB682K	J	6800p	50V	Ceramic	AA
C911	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C912	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C913	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C914	RC-EZ0417CEZZ	J	150	16V	Electrolytic	AD
C915	VCEAPF0JW336M	J	33	6.3V	Electrolytic	AB
C916	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C919	RC-KZ1025CEZZ	J	1	10V	Ceramic	AB
C920	RC-KZ1025CEZZ	J	1	10V	Ceramic	AB
C921	RC-KZ1025CEZZ	J	1	10V	Ceramic	AB
C922	RC-KZ1025CEZZ	J	1	10V	Ceramic	AB
C923	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C924	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C925	RC-KZ1025CEZZ	J	1	10V	Ceramic	AB
C927	VCCCCY1HH560J	J	56p	50V	Ceramic	AA
C928	VCCCCY1HH560J	J	56p	50V	Ceramic	AA
C929	VCCCCY1HH560J	J	56p	50V	Ceramic	AA
C930	VCCCCY1HH5R0C	J	5p	50V	Ceramic	AA
C931	VCCCCY1HH5R0C	J	5p	50V	Ceramic	AA
C932	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C933	RC-EZ0417CEZZ	J	150	16V	Electrolytic	AD
C935	VCEAPF1CW226M	J	22	16V	Electrolytic	AB
C937	RC-EZ0417CEZZ	J	150	16V	Electrolytic	AD
C938	RC-EZ0417CEZZ	J	150	16V	Electrolytic	AD
C939	VCKYCY1HB561K	J	560p	50V	Ceramic	AA
C940	VCKYCY1HB152K	J	1500p	50V	Ceramic	AA
C941	VCKYCY1HB152K	J	1500p	50V	Ceramic	AA
C942	VCKYCY1HB561K	J	560p	50V	Ceramic	AA
C943	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C944	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C945	VCEAPF1HW225M	J	2.2	50V	Electrolytic	AB
C946	VCEAPF1HW225M	J	2.2	50V	Electrolytic	AB
C954	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C955	VCKYTV1CF105Z	J	1	16V	Ceramic	AB
C956	VCKYTV1CF105Z	J	1	16V	Ceramic	AB
C957	VCEAPF1EW475M	J	4.7	25V	Electrolytic	AB
C958	VCEAPF1EW475M	J	4.7	25V	Electrolytic	AB
C961	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C962	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C963	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C964	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C1101	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1102	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1103	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1104	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1105	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1106	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1107	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1108	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1109	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1110	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1111	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1112	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1113	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1114	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1115	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1116	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1117	VCCCCY1HH560J	J	56p	50V	Ceramic	AA
C1118	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1119	VCKYTV1CF105Z	J	1	16V	Ceramic	AB
C1120	VCKYTV1EF104Z	J	0.1	25V	Ceramic	AB
C1122	VCKYTV1CF105Z	J	1	16V	Ceramic	AB
C1123	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1124	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1202	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1203	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1204	VCCCCY1HH220J	J	22p	50V	Ceramic	AA
C1205	VCCCCY1HH220J	J	22p	50V	Ceramic	AA
C1206	VCEAPF1HN106M	J	10	50V	Electrolytic	AD
C1207	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1209	VCEAPF0JW107M	J	100	6.3V	Electrolytic	AC
C1210	VCEAPF0GW107M	J	100	4V	Electrolytic	AC
C1211	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1212	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1213	VCEAPF0JW107M	J	100	6.3V	Electrolytic	AC
C1214	VCEAPF0GW107M	J	100	4V	Electrolytic	AC
C1215	RC-KZ1025CEZZ	J	1	10V	Ceramic	AB
C1217	VCEAPF1CW226M	J	22	16V	Electrolytic	AB
C1218	VCEAPF1CN106M	J	10	16V	Electrolytic	AD
C2001	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C2002	VCCCCY1HH221J	J	220p	50V	Ceramic	AA
C2003	VCEAPF1HW105M	J	1	50V	Electrolytic	AB
C2006	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C2007	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C2009	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C2010	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C2017	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C2018	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C2019	VCKYTV1AB105K	J	1	10V	Ceramic	AD
C2020	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C2021	VCEAPF1AW476M	J	47	10V	Electrolytic	AB
C2022	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C2023	VCKYTV1AB105K	J	1	10V	Ceramic	AD
C2024	VCKYCY1HB222K	J	2200p	50V	Ceramic	AA

RESISTORS

R201	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R202	VRS-CY1JF103F	J	10k	1/16W	Metal Oxide	AA
R203	VRS-CY1JF102F	J	1k	1/16W	Metal Oxide	AA
R204	VRS-CY1JF473F	J	47k	1/16W	Metal Oxide	AA
R205	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R206	VRS-CY1JF103F	J	10k	1/16W	Metal Oxide	AA
R207	VRS-CY1JF622F	J	6.2k	1/16W	Metal Oxide	AA
R208	VRS-CY1JF473F	J	47k	1/16W	Metal Oxide	AA
R209	VRS-CY1JF123F	J	12k	1/16W	Metal Oxide	AA
R210	VRS-CY1JF242F	J	2.4k	1/16W	Metal Oxide	AA
R211	VRS-CY1JF332F	J	3.3k	1/16W	Metal Oxide	AA
R212	VRS-CY1JF332F	J	3.3k	1/16W	Metal Oxide	AA
R213	VRS-CY1JF682F	J	6.8k	1/16W	Metal Oxide	AA
R214	VRS-CY1JF122F	J	1.2k	1/16W	Metal Oxide	AA
R215	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R216	VRS-CY1JF153J	J	15k	1/16W	Metal Oxide	AA
R217	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R218	VRS-CY1JF391J	J	390	1/16W	Metal Oxide	AA
R219	VRS-TV1JD103J	J	10k	1/16W	Metal Oxide	AA
R220	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R301	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R302	VRS-TX2HF8R2J	J	8.2	1/2W	Metal Oxide	AA
R303	VRS-CY1JF331J	J	330	1/16W	Metal Oxide	AA
R304	VRS-CY1JF331J	J	330	1/16W	Metal Oxide	AA
R305	VRS-TX2HF8R2J	J	8.2	1/2W	Metal Oxide	AA
R308	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R309	VRS-TW2ED222J	J	2.2k	1/4W	Metal Oxide	AA
R310	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R311	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R314	VRS-CY1JF512J	J	5.1k	1/16W	Metal Oxide	AA
R315	VRS-CY1JF242J	J	2.4k	1/16W	Metal Oxide	AA
R316	VRS-CY1JF512J	J	5.1k	1/16W	Metal Oxide	AA
R317	VRS-CY1JF242J	J	2.4k	1/16W	Metal Oxide	AA
R318	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R319	VRS-TX2HF8R2J	J	8.2	1/2W	Metal Oxide	AA

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MAIN PWB UNIT(Continued)

Ref. No.	Part No.	★			Description	Code
R320	VRS-CY1JF150J	J	15	1/16W	Metal Oxide	AA
R321	VRS-CY1JF242J	J	2.4k	1/16W	Metal Oxide	AA
R322	VRS-CY1JF472J	J	4.7k	1/16W	Metal Oxide	AA
R323	VRS-CY1JF472J	J	4.7k	1/16W	Metal Oxide	AA
R324	VRS-CY1JF472J	J	4.7k	1/16W	Metal Oxide	AA
R327	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R328	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R329	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R330	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R401	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R402	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R403	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R404	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R405	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R406	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R407	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R408	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R409	VRS-CY1JF181J	J	180	1/16W	Metal Oxide	AA
R410	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R411	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R412	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R413	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R414	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R418	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R419	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R420	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R424	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R430	VRS-CA1JF562J	J	5.6k	1/16W	Metal Oxide	AA
R434	VRS-CY1JF105J	J	1M	1/16W	Metal Oxide	AA
R435	VRS-CY1JF105J	J	1M	1/16W	Metal Oxide	AA
R436	VRS-CY1JF105J	J	1M	1/16W	Metal Oxide	AA
R437	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R701	VRS-CY1JF1R0J	J	1	1/16W	Metal Oxide	AA
R702	VRS-CY1JF154J	J	150k	1/16W	Metal Oxide	AA
R703	VRS-CY1JF274J	J	270k	1/16W	Metal Oxide	AA
R704	VRS-TQ2BD000J	J	0	1/8W	Metal Oxide	AA
R705	VRS-TX2HF000J	J	0	1/2W	Metal Oxide	AA
R706	VRS-CR3AD821J	J	820	1W	Metal Oxide	AC
R707	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R708	VRS-CY1JF272F	J	2.7k	1/16W	Metal Oxide	AA
R709	VRS-CY1JF123F	J	12k	1/16W	Metal Oxide	AA
R711	VRS-CY1JF184J	J	180k	1/16W	Metal Oxide	AA
R712	VRS-CY1JF683F	J	68k	1/16W	Metal Oxide	AA
R713	VRS-CY1JF133F	J	13k	1/16W	Metal Oxide	AA
R715	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R716	VRS-TX2HF000J	J	0	1/2W	Metal Oxide	AA
R717	VRS-CY1JF152F	J	1.5k	1/16W	Metal Oxide	AA
R718	VRS-CY1JF274J	J	270k	1/16W	Metal Oxide	AA
R719	VRS-CY1JF563F	J	56k	1/16W	Metal Oxide	AA
R720	VRS-CY1JF473J	J	47k	1/16W	Metal Oxide	AA
R721	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R722	VRS-CY1JF105J	J	1M	1/16W	Metal Oxide	AA
R723	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R724	VRS-TQ2BD000J	J	0	1/8W	Metal Oxide	AA
R725	VRS-CY1JF1R0J	J	1	1/16W	Metal Oxide	AA
R726	VRS-CY1JF1R0J	J	1	1/16W	Metal Oxide	AA
R729	VRS-TQ2BD000J	J	0	1/8W	Metal Oxide	AA
R731	VRS-TQ2BD000J	J	0	1/8W	Metal Oxide	AA
R732	VRS-TW2ED222J	J	2.2k	1/4W	Metal Oxide	AA
R733	VRS-TQ2BD683J	J	68k	1/8W	Metal Oxide	AA
R734	VRS-CY1JF393J	J	39k	1/16W	Metal Oxide	AA
R735	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R736	VRS-CY1JF1R0J	J	1	1/16W	Metal Oxide	AA
R737	VRS-CY1JF472J	J	4.7k	1/16W	Metal Oxide	AA
R738	VRS-TW2ED102J	J	1k	1/4W	Metal Oxide	AA
R739	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R740	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R741	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R742	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R747	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R748	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R751	VRS-TW2ED332J	J	3.3k	1/4W	Metal Oxide	AB
R752	VRS-TW2ED332J	J	3.3k	1/4W	Metal Oxide	AB
R753	VRS-CY1JF333J	J	33k	1/16W	Metal Oxide	AA
R754	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R765	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R766	VRS-CA1JF821J	J	820	1/16W	Metal Oxide	AA
R768	VRS-CA1JF104J	J	100k	1/16W	Metal Oxide	AA
R770	VRS-CA1JF562J	J	5.6k	1/16W	Metal Oxide	AA
R772	VRS-CY1JF563J	J	56k	1/16W	Metal Oxide	AA
R774	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R801	VRS-CB1JF221J	J	220	1/16W	Metal Oxide	AC
R802	VRS-CB1JF220J	J	22	1/16W	Metal Oxide	AC
R803	VRS-CB1JF220J	J	22	1/16W	Metal Oxide	AC
R804	VRS-CA1JF101J	J	100	1/16W	Metal Oxide	AA
R806	VRS-CY1JF221J	J	220	1/16W	Metal Oxide	AA
R807	VRS-CY1JF750J	J	75	1/16W	Metal Oxide	AA
R808	VRS-CY1JF750J	J	75	1/16W	Metal Oxide	AA
R809	VRS-CY1JF750J	J	75	1/16W	Metal Oxide	AA
R810	VRS-CB1JF220J	J	22	1/16W	Metal Oxide	AC
R811	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R812	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R813	VRS-CB1JF220J	J	22	1/16W	Metal Oxide	AC
R814	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R815	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R816	VRS-CA1JF470J	J	47	1/16W	Metal Oxide	AB
R819	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R826	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R831	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R832	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R833	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R834	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R852	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R860	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R861	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R901	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R902	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R903	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R905	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R908	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R909	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R910	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide	AA
R913	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R914	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R915	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R916	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R917	VRS-CY1JF105J	J	1M	1/16W	Metal Oxide	AA
R918	VRS-CY1JF822F	J	8.2k	1/16W	Metal Oxide	AA
R919	VRS-CY1JF822F	J	8.2k	1/16W	Metal Oxide	AA
R920	VRS-CY1JF822F	J	8.2k	1/16W	Metal Oxide	AA
R921	VRS-CY1JF822F	J	8.2k	1/16W	Metal Oxide	AA
R922	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R923	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R924	VRS-CY1JF473J	J	47k	1/16W	Metal Oxide	AA
R925	VRS-CY1JF473J	J	47k	1/16W	Metal Oxide	AA
R951	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R954	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R958	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R959	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R960	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R961	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R962	VRS-CY1JF153J	J	15k	1/16W	Metal Oxide	AA
R963	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R964	VRS-CY1JF473J	J	47k	1/16W	Metal Oxide	AA
R965	VRS-CY1JF473J	J	47k	1/16W	Metal Oxide	AA
R966	VRS-CY1JF912J	J	9.1k	1/16W	Metal Oxide	AA
R967	VRS-CY1JF912J	J	9.1k	1/16W	Metal Oxide	AA
R968	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R969	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R1101	VRS-CA1JF333J	J	33k	1/16W	Metal Oxide	AA
R1102	VRS-CA1JF103J	J	10k	1/16W	Metal Oxide	AA
R1103	VRS-CA1JF103J	J	10k	1/16W	Metal Oxide	AA
R1104	VRS-CA1JF333J	J	33k	1/16W	Metal Oxide	AA
R1105	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R1106	VRS-CA1JF333J	J	33k	1/16W	Metal Oxide	AA
R1107	VRS-CA1JF103J	J	10k	1/16W	Metal Oxide	AA
R1108	VRS-CA1JF103J	J	10k	1/16W	Metal Oxide	AA

Ref. No.	Part No.	★	Description	Code
DUNTKA077FE10 MAIN PWB UNIT(Continued)				
R1109	VRS-CA1JF333J	J	33k 1/16W Metal Oxide	AA
R1110	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R1111	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R1112	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R1113	VRS-CA1JF333J	J	33k 1/16W Metal Oxide	AA
R1114	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R1115	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R1116	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R1117	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R1118	VRS-CY1JF823F	J	82k 1/16W Metal Oxide	AA
R1119	VRS-CY1JF472F	J	4.7k 1/16W Metal Oxide	AA
R1120	VRS-TW2ED5R6J	J	5.6 1/4W Metal Oxide	AA
R1121	VRS-CY1JF181J	J	180 1/16W Metal Oxide	AA
R1123	VRS-CY1JF181J	J	180 1/16W Metal Oxide	AA
R1124	VRS-CY1JF472F	J	4.7k 1/16W Metal Oxide	AA
R1125	VRS-TW2ED101J	J	100 1/4W Metal Oxide	AA
R1127	VRS-TX2HF000J	J	0 1/2W Metal Oxide	AA
R1129	VRS-CY1JF563F	J	56k 1/16W Metal Oxide	AA
R1130	VRS-TW2ED5R6J	J	5.6 1/4W Metal Oxide	AA
R1132	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1133	VRS-CY1JF223F	J	22k 1/16W Metal Oxide	AA
R1134	VRS-CY1JF822F	J	8.2k 1/16W Metal Oxide	AA
R1135	VRS-CY1JF561J	J	560 1/16W Metal Oxide	AA
R1136	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1137	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1138	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1202	VRS-CB1JF220J	J	22 1/16W Metal Oxide	AC
R1203	VRS-CA1JF220J	J	22 1/16W Metal Oxide	AA
R1204	VRS-CB1JF220J	J	22 1/16W Metal Oxide	AC
R1205	VRS-CA1JF220J	J	22 1/16W Metal Oxide	AA
R1206	VRS-CB1JF220J	J	22 1/16W Metal Oxide	AC
R1207	VRS-CA1JF220J	J	22 1/16W Metal Oxide	AA
R1208	VRS-CY1JF560J	J	56 1/16W Metal Oxide	AA
R1209	VRS-CA1JF220J	J	22 1/16W Metal Oxide	AA
R1210	VRS-CY1JF220J	J	22 1/16W Metal Oxide	AA
R1211	VRS-CY1JF221J	J	220 1/16W Metal Oxide	AA
R1212	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1214	VRS-CB1JF101J	J	100 1/16W Metal Oxide	AA
R1217	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1218	VRS-CA1JF101J	J	100 1/16W Metal Oxide	AA
R1220	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R1221	VRS-CB1JF332J	J	3.3k 1/16W Metal Oxide	AC
R1222	VRS-CB1JF101J	J	100 1/16W Metal Oxide	AA
R1223	VRS-CA1JF101J	J	100 1/16W Metal Oxide	AA
R1225	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R1228	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1229	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R1230	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA
R1232	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1233	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1234	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R1235	VRS-CB1JF473J	J	47k 1/16W Metal Oxide	AC
R1236	VRS-CB1JF473J	J	47k 1/16W Metal Oxide	AC
R2001	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R2002	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R2003	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R2004	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R2007	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R2008	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2009	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R2010	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2011	VRS-CB1JF101J	J	100 1/16W Metal Oxide	AA
R2014	VRS-CA1JF103J	J	10k 1/16W Metal Oxide	AA
R2016	VRS-CA1JF223J	J	22k 1/16W Metal Oxide	AA
R2018	VRS-CA1JF101J	J	100 1/16W Metal Oxide	AA
R2019	VRS-CB1JF331J	J	330 1/16W Metal Oxide	AC
R2025	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R2028	VRS-CB1JF102J	J	1k 1/16W Metal Oxide	AA
R2031	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2035	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R2041	VRS-CA1JF101J	J	100 1/16W Metal Oxide	AA
R2042	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2045	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R2047	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R2048	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R2049	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R2050	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA
R2051	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2052	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2053	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R2054	VRS-CY1JF333J	J	33k 1/16W Metal Oxide	AA
R2055	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R2056	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2057	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R2058	VRS-CY1JF474J	J	470k 1/16W Metal Oxide	AA
R2059	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R2060	VRS-CB1JF101J	J	100 1/16W Metal Oxide	AA
R2061	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R2062	VRS-CY1JF333J	J	33k 1/16W Metal Oxide	AA
R2063	VRS-CY1JF333J	J	33k 1/16W Metal Oxide	AA
R2067	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2068	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2069	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R2074	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R2075	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R2076	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
MISCELLANEOUS PARTS				
FB702	RBLN-0051TAZZ	J	Balun, BLN-0051TA	AC
FB703	RBLN-0051TAZZ	J	Balun, BLN-0051TA	AC
FB704	RBLN-0051TAZZ	J	Balun, BLN-0051TA	AC
FB705	RBLN-0095CEZZ	J	Balun, BLN-0095CE	AD
FB706	RBLN-0051TAZZ	J	Balun, BLN-0051TA	AC
FB708	RBLN-0095CEZZ	J	Balun, BLN-0095CE	AD
FB709	RBLN-0090CEZZ	J	Balun, BLN-0090CE	AD
FB801	RBLN-0090CEZZ	J	Balun, BLN-0090CE	AD
FB802	RBLN-0090CEZZ	J	Balun, BLN-0090CE	AD
FB901	RBLN-0006TAZZ	J	Balun, BLN-0006TA	AB
FB1201	RBLN-0090CEZZ	J	Balun, BLN-0090CE	AD
FB1202	RBLN-0006TAZZ	J	Balun, BLN-0006TA	AB
FB1203	RBLN-0076TAZZ	J	Balun, BLN-0076TA	AC
P301	QPLGN0278GEZZ	J	Plug, 2Pin	AA
P701	QPLGN1178GEZZ	J	Plug, 11Pin	AC
P751	QPLGN0155FJZZ	J	Plug, 3Pin	AE
P752	QPLGN0155FJZZ	J	Plug, 3Pin	AE
P2002	QPLGN1320REZZ	J	Plug, 13Pin	AC
P2003	QPLGN0520REZZ	J	Plug, 5Pin	AB
P2004	QPLGN0420REZZ	J	Plug, 4Pin	AA
SC401	QSOCN0464FJZZ	J	Socket, 50Pin	AH
SC1201	QSOCN0461FJZZ	J	Socket, 53Pin	AH
SC1203	QSOCN0199FJZZ	J	Socket, 20Pin	AE
DUNTKA321DE01 TERMINAL PWB UNIT				
TUNER				
TU3201	VTUVTST5HD720	J	Tuner	BB
INTEGRATED CIRCUITS				
IC3201	VHiTDA9810T-1	J	TDA9810T, PIF/SIF	AS
IC3401	VHiTC4053BF1E	J	TC4053BF	AF
TRANSISTORS				
Q3204	VS2SC2712Y/-1	J	2SC2712Y	AB
Q3205	VS2SC2712Y/-1	J	2SC2712Y	AB
Q3211	VS2SC2735//1E	J	2SC2735	AC
Q3221	VS2SC2735//1E	J	2SC2735	AC
Q3251	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q3291	VSDTC144EE/-1	J	DTC144EE	AA
Q3292	VSDTC144EE/-1	J	DTC144EE	AA
Q3293	VSDTC144EE/-1	J	DTC144EE	AA
Q3294	VSDTC144EE/-1	J	DTC144EE	AA
Q3295	VSDTC144EE/-1	J	DTC144EE	AA
Q3401	VS2SC2712Y/-1	J	2SC2712Y	AB

Ref. No.	Part No.	★	Description	Code
DUNTKA321DE01 TERMINAL PWB UNIT(Continued)				
Q3402	VS2SC2712Y/-1	J	2SC2712Y	AB
Q3403	VSDTC144EE/-1	J	DTC144EE	AA
Q3404	VS2SK1467//-1	J	2SK1467	AE
Q3405	VS2SK1467//-1	J	2SK1467	AE
Q3420	VSDTC314TK/-1	J	DTC314TK	AC
Q3421	VSDTC314TK/-1	J	DTC314TK	AC
Q3422	VSUMG4/////-1	J	UMG4	AC
DIODES				
D3211	VHDDAN235U/-1	J	DAN235U	AB
D3212	VHD1SS390++-1	J	1SS390++	AB
D3213	VHD1SS390++-1	J	1SS390++	AB
D3221	VHD1SS390++-1	J	1SS390++	AB
D3222	VHD1SS390++-1	J	1SS390++	AB
D3401	RH-EX1271CEZZ	J	Zener Diode	AB
D3402	RH-EX1271CEZZ	J	Zener Diode	AB
D3403	RH-EX1271CEZZ	J	Zener Diode	AB
FILTERS				
CF3251	RFiLC0453CEZZ	J	Filter, FiLC0453CE	AG
SF3211	RFiLC0451CEZZ	J	Filter, FiLC0451CE	AQ
SF3221	RFiLC0452CEZZ	J	Filter, FiLC0452CE	AQ
COILS				
L3201	VP-1M220J2R9N	J	Peaking, 22µH	AC
L3202	RCiLC0141CEZZ	J	Coil, CiLC0141CE	AF
L3203	VP-1M101J7R7N	J	Peaking, 100µH	AC
L3401	VP-1M101J7R7N	J	Peaking, 100µH	AC
L3211	VP-1M100J1R6N	J	Peaking, 10µH	AC
L3212	VP-1M3R3JR93N	J	Peaking, 3.3µH	AB
L3221	VP-1M100J1R6N	J	Peaking, 10µH	AC
L3222	VP-1M3R3JR93N	J	Peaking, 3.3µH	AB
L3231	RCiLi0634CEZZ	J	IF Coil, CiLi0634CE	AC
L3251	VP-1M6R8J1R4N	J	Peaking, 6.8µH	AC
CONTROLS				
R3231	RVR-M8034TAZZ	J	Variable Resistor	AC
R3233	RVR-M8034TAZZ	J	Variable Resistor	AC
CAPACITORS				
C3201	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C3202	VCEA4U0JN338M	J	3300 6.3V Electrolytic	AE
C3203	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C3204	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C3205	VCCCCY1HH330J	J	33p 50V Ceramic	AA
C3207	VCCCCY1HH330J	J	33p 50V Ceramic	AA
C3208	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C3209	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C3211	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C3212	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C3213	VCEAPF0JW227M	J	220 6.3V Electrolytic	AD
C3214	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C3215	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C3216	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C3217	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C3218	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C3219	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C3221	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C3222	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C3223	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C3224	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C3225	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C3227	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C3228	VCKYCY1AB224K	J	0.22 10V Ceramic	AB
C3230	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C3232	VCEAPH1HW225M	J	2.2 50V Electrolytic	AB
C3234	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C3235	VCCCCY1HH8R0D	J	8p 50V Ceramic	AA
C3236	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C3237	VCEAPH1EW475M	J	4.7 25V Electrolytic	AB
C3238	VCEAPF0JW226M	J	22 6.3V Electrolytic	AB

Ref. No.	Part No.	★	Description	Code
C3261	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C3271	VCEAPF0JW226M	J	22 6.3V Electrolytic	AB
C3301	VCE9PF1CW106M	J	10 16V Electrolytic	AC
C3302	VCE9PF1CW106M	J	10 16V Electrolytic	AC
C3311	RC-EZ0417CEZZ	J	150 16V Electrolytic	AD
C3312	RC-EZ0417CEZZ	J	150 16V Electrolytic	AD
C3402	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C3403	VCEAPW1CN477M	J	470 16V Electrolytic	AE
C3404	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C3405	VCEAPF0JW336M	J	33 6.3V Electrolytic	AB
C3406	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C3407	VCEAPF0JW226M	J	22 6.3V Electrolytic	AB
C3420	VCE9PF1CW106M	J	10 16V Electrolytic	AC
C3421	VCE9PF1CW106M	J	10 16V Electrolytic	AC
C3422	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C3423	VCEAPF1CW107M	J	100 16V Electrolytic	AD
C3424	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
RESISTORS				
R3201	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R3202	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3203	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3204	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3205	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R3206	VRS-CY1JF271J	J	270 1/16W Metal Oxide	AA
R3207	VRS-CY1JF152J	J	1.5k 1/16W Metal Oxide	AA
R3208	VRS-CY1JF331J	J	330 1/16W Metal Oxide	AA
R3209	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA
R3210	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA
R3211	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA
R3212	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R3213	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R3215	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R3216	VRS-CA1JF561J	J	560 1/16W Metal Oxide	AA
R3217	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R3218	VRS-CY1JF153J	J	15k 1/16W Metal Oxide	AA
R3219	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R3220	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R3221	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R3223	VRS-CY1JF271J	J	270 1/16W Metal Oxide	AA
R3225	VRS-CY1JF333J	J	33k 1/16W Metal Oxide	AA
R3226	VRS-CY1JF333J	J	33k 1/16W Metal Oxide	AA
R3227	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA
R3228	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA
R3230	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R3232	VRS-CY1JF331J	J	330 1/16W Metal Oxide	AA
R3234	VRS-CY1JF272J	J	2.7k 1/16W Metal Oxide	AA
R3235	VRS-CY1JF470J	J	47 1/16W Metal Oxide	AA
R3236	VRS-CY1JF272J	J	2.7k 1/16W Metal Oxide	AA
R3237	VRS-CY1JF470J	J	47 1/16W Metal Oxide	AA
R3251	VRS-CY1JF151J	J	150 1/16W Metal Oxide	AA
R3253	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R3261	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R3262	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R3271	VRS-CY1JF563J	J	56k 1/16W Metal Oxide	AA
R3272	VRS-CY1JF123J	J	12k 1/16W Metal Oxide	AA
R3291	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R3292	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R3293	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3301	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R3302	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R3303	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R3304	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R3305	VRS-TQ2BD750J	J	75 1/8W Metal Oxide	AA
R3306	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3308	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3310	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3313	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3314	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3315	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3319	VRS-TQ2BD750J	J	75 1/8W Metal Oxide	AA
R3329	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3330	VRS-TX2HF331J	J	330 1/2W Metal Oxide	AB
R3331	VRS-TX2HF331J	J	330 1/2W Metal Oxide	AB

Ref. No.	Part No.	★	Description	Code

DUNTKA321DE01 TERMINAL PWB UNIT(Continued)

R3333	VRS-TV1JD000J	J	0	1/16W	Metal Oxide		AA
R3401	VRS-TQ2BD750J	J	75	1/8W	Metal Oxide		AA
R3402	VRS-CY1JF181J	J	180	1/16W	Metal Oxide		AA
R3404	VRS-CY1JF101J	J	100	1/16W	Metal Oxide		AA
R3405	VRS-CY1JF000J	J	0	1/16W	Metal Oxide		AA
R3409	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide		AA
R3410	VRS-TQ2BD750J	J	75	1/8W	Metal Oxide		AA
R3411	VRS-CY1JF680J	J	68	1/16W	Metal Oxide		AA
R3412	VRS-CY1JF680J	J	68	1/16W	Metal Oxide		AA
R3413	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide		AA
R3414	VRS-CY1JF101J	J	100	1/16W	Metal Oxide		AA
R3415	VRS-CY1JF562J	J	5.6k	1/16W	Metal Oxide		AA
R3416	VRS-CY1JF272J	J	2.7k	1/16W	Metal Oxide		AA
R3420	VRS-CY1JF750J	J	75	1/16W	Metal Oxide		AA
R3421	VRS-CY1JF750J	J	75	1/16W	Metal Oxide		AA
R3422	VRS-CY1JF750J	J	75	1/16W	Metal Oxide		AA
R3423	VRS-CY1JF101J	J	100	1/16W	Metal Oxide		AA
R3424	VRS-CY1JF101J	J	100	1/16W	Metal Oxide		AA
R3425	VRS-CY1JF101J	J	100	1/16W	Metal Oxide		AA
R3426	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide		AA
R3427	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide		AA
R3428	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide		AA
R3429	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide		AA
R3431	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide		AA
R3432	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide		AA
R3435	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide		AA
R3436	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide		AA
R3704	VRS-CY1JF000J	J	0	1/16W	Metal Oxide		AA

MISCELLANEOUS PARTS

	PSLDM4648CEFW	J	Shield	AE
	PSLDM4649CEFW	J	Shield	AD
FB3401	RBLN-0059CEZZ	J	Balun, BLN-0059CE	AB
FB3402	RBLN-0059CEZZ	J	Balun, BLN-0059CE	AB
FB3403	RBLN-0059CEZZ	J	Balun, BLN-0059CE	AB
FB3404	RBLN-0059CEZZ	J	Balun, BLN-0059CE	AB
FB3405	RBLN-0059CEZZ	J	Balun, BLN-0059CE	AB
FB3406	RBLN-0059CEZZ	J	Balun, BLN-0059CE	AB
FB3407	RBLN-0059CEZZ	J	Balun, BLN-0059CE	AB
FB3408	RBLN-0059CEZZ	J	Balun, BLN-0059CE	AB
FB3409	RBLN-0059CEZZ	J	Balun, BLN-0059CE	AB
FB3410	RBLN-0059CEZZ	J	Balun, BLN-0059CE	AB
FB3411	RBLN-0059CEZZ	J	Balun, BLN-0059CE	AB
FB3412	RBLN-0059CEZZ	J	Balun, BLN-0059CE	AB
⚠ FH3701	QFSHD1002CEZZ	J	Fuse Holder	AA
⚠ FH3702	QFSHD1002CEZZ	J	Fuse Holder	AA
⚠ FH3703	QFSHD1002CEZZ	J	Fuse Holder	AA
⚠ FH3704	QFSHD1002CEZZ	J	Fuse Holder	AA
⚠ FH3751	QFSHD1002CEZZ	J	Fuse Holder	AA
⚠ FH3752	QFSHD1002CEZZ	J	Fuse Holder	AA
⚠ F3701	QFS-C1223CEZZ	J	Fuse, 1.25A	AD
⚠ F3702	QFS-C1223CEZZ	J	Fuse, 1.25A	AD
⚠ F3751	QFS-C2023CEZZ	J	Fuse, 2A	AD
J3401	QJAKE0200CE02	J	Jack	AE
J3402	QJAKE0200CE09	J	Jack	AE
J3403	QJAKE0200CE04	J	Jack	AE
J3404	QJAKE0200CE02	J	Jack	AE
J3405	QJAKE0200CE06	J	Jack	AE
J3406	QJAKE0200CE05	J	Jack	AE
J3407	QJAKE0200CE02	J	Jack	AE
J3408	QJAKE0200CE09	J	Jack	AE
J3409	QJAKE0200CE04	J	Jack	AE
J3410	QJAKJ0046CEZZ	J	Jack	AE
J3701	QJAKE0193CEZZ	J	Jack	AK
P3203	QPLGN0280GEZZ	J	Plug, 2Pin	AB
P3204	QPLGN0280GEZZ	J	Plug, 2Pin	AB
P3701	QPLGN1178GEZZ	J	Plug, 11Pin	AC
SC3301	QSOCD0456CEZZ	J	Socket, 6Pin	AE
SC3401	QSOCN0464FJZZ	J	Socket, 50Pin	AH
	LANGT9101CEFW	J	Tuner Angle Top	AE
	PSPAK0027CEKZ	J	Tuner Angle Bottom	AC

Ref. No.	Part No.	★	Description	Code

DUNTKA322DE01 SWITCH PWB UNIT

DIODES

D4009	RH-EX0879CEZZ	J	Zener Diode	AD
D4010	RH-EX0879CEZZ	J	Zener Diode	AD
D4018	RH-EX1283CEZZ	J	Zener Diode	AB
D4019	RH-EX1283CEZZ	J	Zener Diode	AB

CAPACITORS

C4001	VCCCCY1HH471J	J	470p	50V	Ceramic		AA
C4002	VCCCCY1HH471J	J	470p	50V	Ceramic		AA

RESISTORS

R4005	VRS-CY1JF123J	J	12k	1/16W	Metal Oxide		AA
R4006	VRS-CY1JF822J	J	8.2k	1/16W	Metal Oxide		AA
R4011	VRS-CY1JF123J	J	12k	1/16W	Metal Oxide		AA
R4012	VRS-CY1JF822J	J	8.2k	1/16W	Metal Oxide		AA

MISCELLANEOUS PARTS

P4004	QPLGN0564TAZZ	J	Plug, 5Pin	AC
SW4002	QSW-K0087GEZZ	J	Switch, CH▼	AC
SW4003	QSW-K0087GEZZ	J	Switch, CH▲	AC
SW4004	QSW-K0087GEZZ	J	Switch, Menu	AC
SW4006	QSW-K0087GEZZ	J	Switch, TV/Video	AC
SW4007	QSW-K0087GEZZ	J	Switch, Vol(+)	AC
SW4008	QSW-K0087GEZZ	J	Switch, Vol(-)	AC
S4701	QSW-S0213CEZZ	J	Switch, Main Power	AE

DUNTKA323DE01 R/C PWB UNIT

TRANSISTORS

Q4106	VSDTC144EE/-1	J	DTC144EE	AA
Q4107	VSUMG4/////-1	J	UMG4	AC

DIODES

D4120	RH-EX1271CEZZ	J	Zener Diode	AB
D4121	RH-EX1271CEZZ	J	Zener Diode	AB
D4122	RH-PX0368CEZZ	J	PhotoDiode	AE

CAPACITOR

C4120	VCKYTV1CF105Z	J	1	16V	Ceramic		AB

RESISTORS

R4187	VRS-CY1JF331J	J	330	1/16W	Metal Oxide		AA
R4188	VRS-CY1JF102J	J	1k	1/16W	Metal Oxide		AA
R4189	VRS-CY1JF472J	J	4.7k	1/16W	Metal Oxide		AA
R4190	VRS-CY1JF101J	J	100	1/16W	Metal Oxide		AA

MISCELLANEOUS PARTS

	PSLDM4646CEFW	J	Shield	AC
RMC4101	RRMCU0239CEZZ	J	Remote Receiver	AG
SC4102	QPLGN0464TAZZ	J	Plug, 4Pin	AC

SUPPLIED ACCESSORIES

Ref. No.	Part No.	★	Description	Code
	LHLDW1028GEZZ	J	Cable Clamp	AB
⚠	QACCK0002TAZZ	J	AC Cord(LC-12A2E)	AM
⚠	QACCB0016TAZZ	J	AC Cord(LC-12A2E(K))	AV
	RRMCG1618CESA	J	Remote Control	AV
	SSAKA0160CEZZ	J	Operation Manual Polyethylene Bag	AB
	TiNS-7202CEZZ	J	Operation Manual (LC-12A2E)	AW
	TiNS-7259CEZZ	J	Operation Manual (LC-12A2E(K))	AD
⚠	UADP-0210CEZZ	J	AC Adapter	BH
	UBATU0026GEZZ	J	Battery	AE

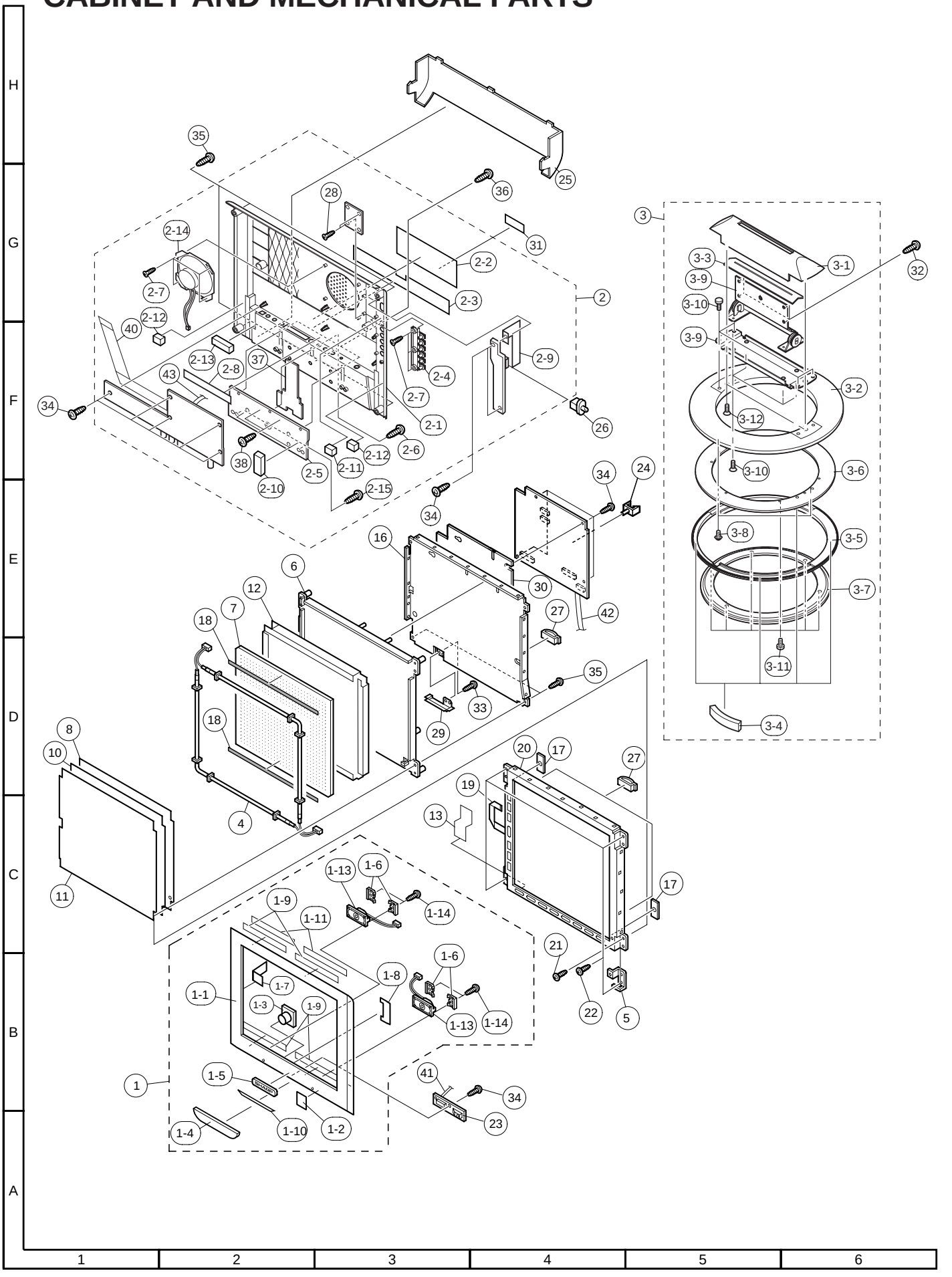
PACKING PARTS
(NOT REPLACEMENT ITEM)

	SPAKC5473CEZZ	–	Packing Case	—
	SPAKF0404CEZZ	–	Packing Material	—
	SPAKF0495CEZZ	–	Pat	—
	SPAKP0781CEZZ	–	Wrapping Paper	—
	SPAKX2902CEZZ	–	Buffer Material	—
	TLABK0001TAZZ	–	No. Label	—
	TLABN0157CEZZ	–	Barcode Label	—

CABINET PARTS LIST

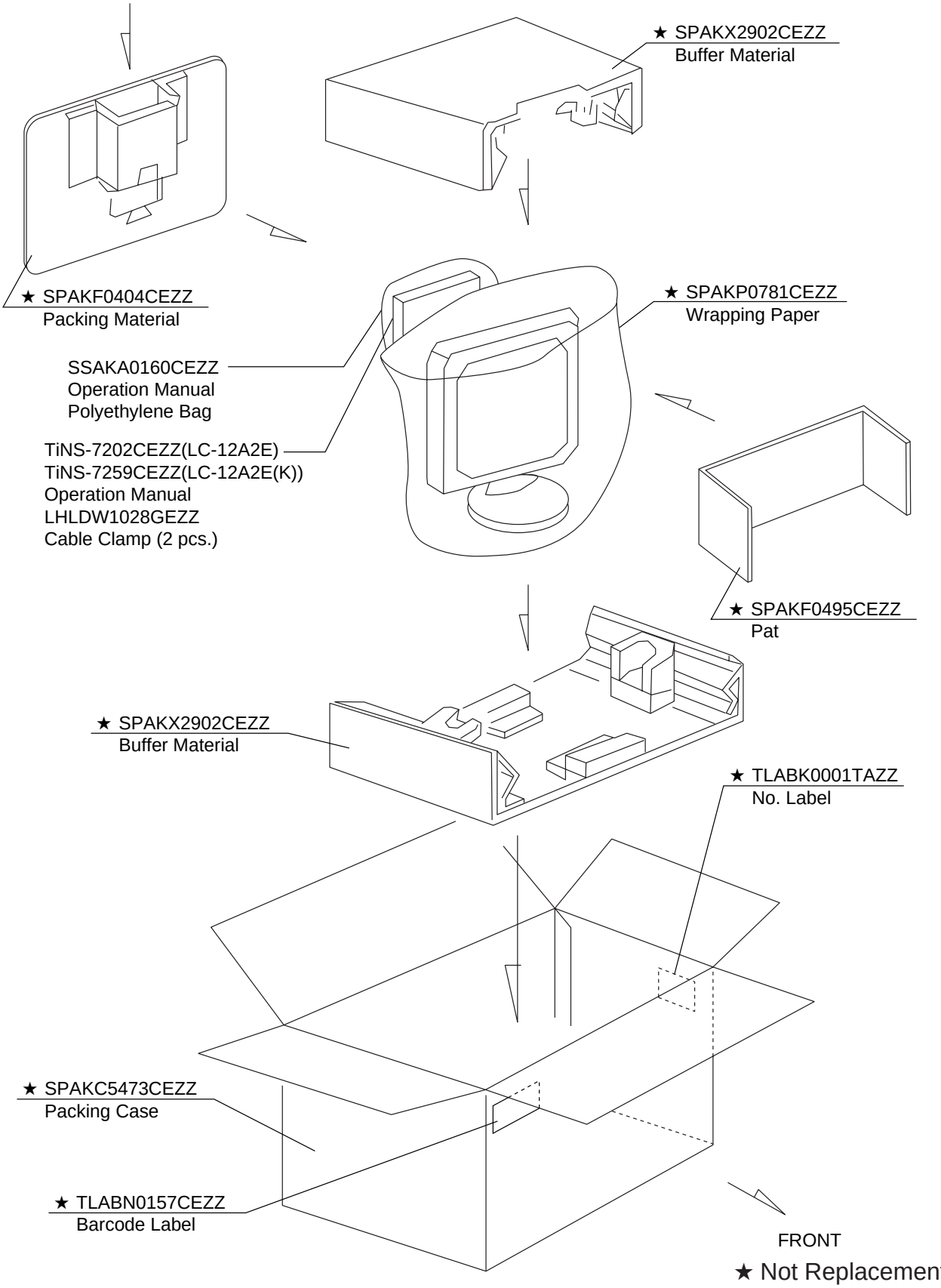
Ref. No.	Part No.	★	Description	Code
1	CCABA2401CE02	J	Cabinet A Ass'y	BD
1-1	————	–	Cabinet A	—
1-2	GCOVA1932CESA	J	IR Filter	AC
1-3	GCOVA1857CESA	J	LED Cover	AD
1-4	GCOVA1914CESA	J	R/C Receptor Cover	AF
1-5	HBDGB3156CESA	J	SHARP Badge	AF
1-6	LANGS0130CEFW	J	Speaker Fixing Metal	AD
1-7	PSLDC3104CEZZ	J	Copper Film Sheet	AC
1-8	PSLDC3105CEZZ	J	Receptor Copper Film Sheet	AC
1-9	PSPAH0659CEZZ	J	R/C Receptor Copper Film	AB
1-10	PSPAP0055CEZZ	J	Receptor Spacer	AB
1-11	PSPAP0058CEZZ	J	Spacer	AA
1-13	VSP4030P-44YD	J	Speaker	AR
1-14	XEBSD20P05000	J	Screw	AA
2	CCABB2295CE01	J	Cabinet B Ass'y	BB
2-1	————	–	Cabinet B	—
2-2	HiNDP5655CESA	J	Model Indicator Plate	AD
2-3	HiNDP5654CESA	J	Terminal Indicator Plate	AE
2-4	JBTN-2047CEKA	J	Operating Button	AF
2-5	LANGF9601CEFW	J	Reinforcement Metal	AK
2-6	LX-BZ3426CEFN	J	Screw	AA
2-7	LX-HZ3064CEFF	J	Screw	AA
2-8	PSLDC3106CEZZ	J	Copper Film Sheet	AC
2-9	PSLDC3107CEZZ	J	Copper Film Sheet	AD
2-10	PSPAG0364CEZZ	J	Spacer	AC
2-11	PSPAG0369CEZZ	J	Spacer-S	AB
2-12	PSPAG0370CEZZ	J	Spacer-L	AB
2-13	QEARZ0022CEZZ	J	Earth Gasket	AE
2-14	RSP-Z0114CEN1	J	Speaker	AR
2-15	LX-BZ3425CEFN	J	Screw	AA
3	————	–	Stand Ass'y	—
3-1	GCOVA1853CESA	J	Hinge Cover	AH
3-2	GCOVA1854CESA	J	Rotation Cover	AQ
3-3	GCOVH9302CEZZ	J	Protection Cover	AE
3-4	GCOVH9303CE00	J	Leg Cushion	AD
3-5	GDAi-1113CESA	J	Rotation Base	AL
3-6	LANGF9549CE00	J	Reinforcing Metal	AS
3-7	LANGF9550CE00	J	Reinforcing Metal	AP
3-8	LX-HZ3112CEFD	J	Screw	AA
3-9	MHNG-3026CE01	J	Torque Hinge	BC
3-10	XBPSD40P07000	J	Screw	AA
3-11	XBPSF40P04000	J	Screw	AA
3-12	XESSF30P08000	J	Screw	AA
⚠ 4	KLMP-0096CEZZ	J	Lamp Unit	BA
5	LANGQ9209CEFW	J	ITO Sheet Angle	AE
6	LHLDZ2144CEKZ	J	Light Guide Plate Holder	AT
7	PGiDM0061CEZZ	J	Light Guide Plate	AY
8	PSHEP0211CEZZ	J	ITO Sheet	AU
10	PSHEP0212CEZZ	J	Diffusion Sheet	AK
11	PSHEP0213CEZZ	J	Reflection Polarising Sheet	BB
12	PSHEP0214CEZZ	J	Reflection Panel	AK
13	QPWBHA141CEZZ	J	Source FPC	AR
16	PSLDM4603CEFW	J	Shield Case	AN
17	PSPAZ0292CEZZ	J	Panel Spacer	AB
18	PSPAZ0376CEZZ	J	Both Side Tape	AD
19	QCNW-5554CEZZ	J	Gate FFC	AF
20	RLCDT0057CEZZ	J	LCD Display Unit	DD
21	XBBSD20P05000	J	Screw	AA
22	XEBSD30P08000	J	Screw	AA
23	PSLDM4646CEFW	J	Receptor Shield Plate	AD
24	LHLDW1046CEZZ	J	Wire Clamp	AA
25	GCOVA1855CEKB	J	Terminal Cover	AH
26	JKNBP1167CEKA	J	Power Knob	AE
27	LHLDW1173CEZZ	J	Wire Clamp	AD
28	LX-HZ3064CEFF	J	Screw	AA
29	PSLDM4482CEFW	J	Source FPC Shield Plate	AD
30	PZETZ0019CEZZ	J	Insulator	AE
31	TLABN0269CEZZ	J	No. Label(LC-12A2E)	AF
31	TLABN0270CEZZ	J	No. Label(LC-12A2E(K))	AF
32	LX-BZ3431CEFN	J	Screw	AB
33	XEBSD26P06000	J	Screw	AA
34	XEBSD30P08000	J	Screw	AA
35	XEBSF30P12000	J	Screw	AA
36	XEBSN30P14000	J	Screw	AA
37	LANGF9557CEFW	J	Fixing Metal	AE
38	XBBSD30P04000	J	Screw	AA
40	QCNW-5555CEZZ	J	Terminal FFC	AL
41	QCNW-5556CEZZ	J	R/C/LED Cable	AE
42	QCNW-5557CEZZ	J	Operation Cable	AF
43	QCNW-5558CEZZ	J	Power Cable	AH

CABINET AND MECHANICAL PARTS



PACKING OF THE SET

⚠ AC Cord QACCK0002TAZZ(LC-12A2E)
⚠ AC Cord QACCB0016TAZZ(LC-12A2E(K))
⚠ AC Adapter UADP-0210CEZZ
Remote Control RRMCG1618CESA
Battery (2 pcs.)



★ Not Replacement Item

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